

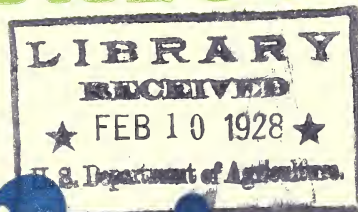
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**1928
ANNUAL
CATALOG**



Poole's
Seed & Implement Co.
TACOMA

GARDEN—FLOWER

and

FIELD SEEDS

FERTILIZERS

SPRAY MATERIALS

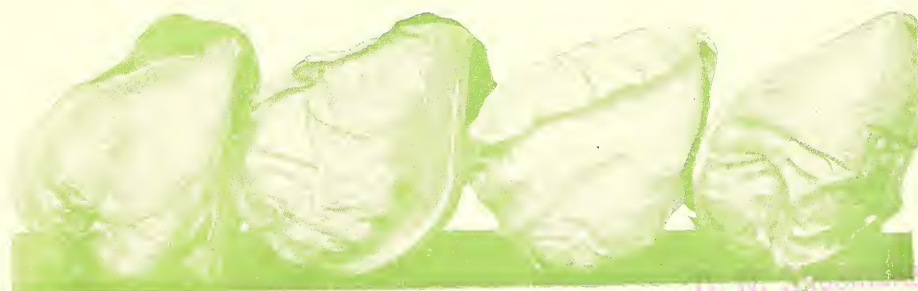
POULTRY SUPPLIES

DAIRY SUPPLIES

**FARM and GARDEN
IMPLEMENTS**

**PAINTS—OILS
and VARNISHES**

1507-9 Pacific Avenue



Fertilizer For Every Purpose

Complete Fertilizers, Animal and Chemical Fertilizers

FERTILIZE EVERY CROP

"PEP" Fertilizers--Increase Crops, Maintain Soil Fertility
and Lower Cost of Crop Production--

VEGETABLE AND BERRY FERTILIZER "PEP" 3-8-6

Pep is an all round, HIGH GRADE chemical and organic fertilizer which can be used with success by the amateur or professional on most any crop such as Berries, Potatoes, Onions and other general vegetable crops.

"Pep" may be broadcasted, but the more economical way is to sow it in the rows with the seed by drill or by hand. Side dressing rows is often beneficial after the crop has started.

We recommend it very highly to market gardeners.

Analysis: Nitrogen 3%. Phosphoric Acid 8%, Potash 6%.

Price: 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.00; 100 lbs., \$3.25. Write for prices in larger quantities.

TANKAGE

Ground meat scraps and bone, dessicated in a vacuum is very rich in phosphoric acid and nitrogen. Use 5 pounds to 100 square feet; 400 to 800 lbs. per acre. Price: 5 lbs. 30c; 10 lbs. 55c; 25 lbs. \$1.10; 100 lbs. \$3.50.

SHEEP GUANO

Pure pulverized sheep manure is the most nutritious of the animal fertilizers. It promotes steady and rapid growth. We recommend it very highly for use in greenhouses, as well as for garden purposes.

USE—For Flowers, Roses and Lawns, apply at any time—just prior to growing season being preferable—using at the rate of 10 lbs. per 100 square feet.

Price: 25 lbs., 60c; 100 lbs., \$1.50.

NITRATE OF SODA

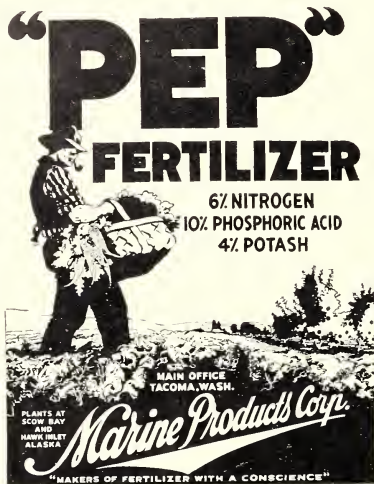
For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. Use one pound to 15 gals. of water. Apply this in small amounts some little distance from the plant. Repeat in from twenty to thirty days. Price: 10 lbs. 50c; 100 lbs. \$3.75.

SUPERPHOSPHATE

This is a concentrated form of phosphoric acid, and it is actually the cheapest form in which to buy phosphoric acid. Our present stock contains 17 to 18 per cent. available phosphoric acid. Price, 10 lbs. 25c; 100 lbs. \$1.75.

FISH FERTILIZER

Price: 10 lbs. 60c; 100 lbs. \$4.50.



LAWN AND FLOWER FERTILIZER "PEP" 6-10-4

Our Lawn Fertilizer promotes a vigorous, healthy growth, giving the desired dark rich green appearance; can be used at the time the seed is planted and later as a top dressing. One hundred pounds is sufficient for an ordinary city lot, and is far more effective and less objectionable than stable manure. Remember, it contains no weed seeds. When used as a top dressing it is best to make several light applications about two weeks apart.

Price: 5 lbs. 30c; 10 lbs. 55c; 25 lbs. \$1.20; 100 lbs. \$3.75. Write for prices in larger quantities.

BONE MEAL

Fine ground, is one of the best fertilizers. This is the only grade of Bone Meal and is reduced by improved machinery to an even fineness—nothing is added. This is a very valuable enricher of the soil, and one of the most economical at present prices. Price: 10 lbs., 55c; 100 lbs., \$3.25.

MURIATE OF POTASH

We handle the regular commercial grade containing 50% actual Potash. Potash produces better keeping qualities in fruits and vegetables. Price: 25 lbs., \$1.00; 100 lbs., \$3.00.

Write for prices in larger quantities.

SULPHATE OF POTASH

Regular commercial grade 50% Potash and no chlorine. Recommended for potatoes. Price: 25 lbs., \$1.10; 100 lbs. \$3.75.

Write for prices in larger quantities.

HYDRATE LIME

"Lime is one of the necessary elements in plant growth. The sandy soils are made more retentive of moisture and clay soils are made more friable by its use. Lime is an excellent sweetener of the soil and its use destroys many weeds which thrive in a toxic ground." Price: per 50-lb. bag, 80c. Write for prices in larger quantities.

SULPHATE OF AMONIA

Price 10 lbs. 60c; 100 lbs. \$4.50.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Glorious Gardens - Perfect House Plants

ODORLESS

ECONOMICAL

STIM-U-PLANT

PLANT STIMULANT TABLET

CONCENTRATED

EASY TO APPLY

Trade Mark Registered U. S. Patent Office

STIM-U-PLANT is the only complete plant-food in tablet form. The three mineral nutrients most heavily drawn from the soil by growing plants (flower and vegetable) are nitrogen, phosphoric acid, and potash. Because of this fact, STIM-U-PLANT tablets are made up of these three in a balanced ration of 11 per cent Nitrogen, 12 per cent Phosphoric Acid, 15 per cent Potash—all of which elements are water-soluble and immediately available to the feeding root-hairs of the plant.

Tablet Form Fertilizer Unique and Valuable

1. Gives an EXACT FEEDING UNIT—no guesswork. 2. Provides for ABSOLUTE CONTROL of feeding, eliminating the danger of over-feeding. 3. No MESSY MIXING. 4. No unpleasant ODOR. 5. Is EASIEST to APPLY. 6. Insures MAXIMUM EFFICIENCY because the plant gets all the food-value—none being lost through scattering where not available to the plant, leaching, and run-off of surface soil-water. 7. Makes REPOTTING of house plants UNNECESSARY, as it replaces the food withdrawn by the growing plant. Because of its ready solubility, STIM-U-PLANT can easily be used as a liquid manure, by dissolving the tablets in water at the rate of four to the gallon.

Trial size—15 tablets 15c; small size—30 tablets 25c; medium size, 100 tablets 75c.

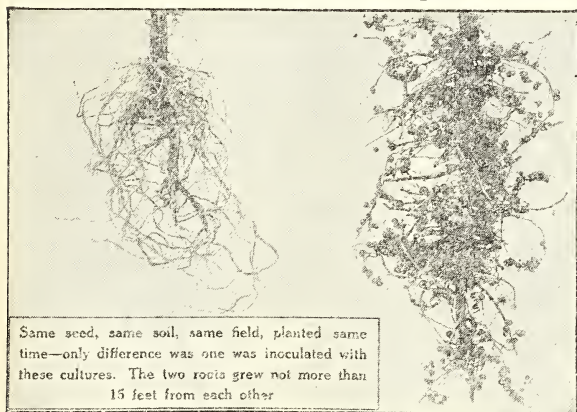
FEED YOUR PLANTS

KEEP LAWNS FRESH AND GREEN.

SEED INOCULATION



The Best Inoculation for all Legume Seeds



Means Better Soils
Better Crops
Less Fertilizer Expense

Seeds of all legumes—Clovers, Alfalfa, Sweet Clovers, Beans, Peas, Vetches, Field Peas, etc.—will yield far better results if inoculated with FARMOGERM, and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation.

A Sensible Insurance and a Profitable Investment

We believe in inoculation, we favor the pure jelly medium, and we believe in FARMOGERM. Of all the inoculants manufactured we believe it is the most effective, and cheapest, consistent with high quality. Farmers who have used it will never again seed without it—even where the legumes have been grown before, because it is easier to make Better Best than Bad Good.

Full directions go with each bottle—easily applied—takes but a little time.

Farmogerm the "Always Fresh" Inoculant

FARMOGERM is a pure culture of nitrogen-fixing bacteria, selected for maximum vitality and ability to transform nitrogen from the air into soluble nitrates and deposit them in the soil.

By reason of the patented stopper which admits air and excludes contaminations, FARMOGERM is guaranteed for five years—always fresh—always strong and virile.

What FARMOGERM Will Do

FARMOGERM will reduce your fertilizer bills, give you larger crops, and improve your soil by producing nodules on the roots of legumes, as shown in the illustration above. No other inoculant is as strong and virile. No other inoculant will give the profusion of nodules.

WHEN ORDERING, BE SURE TO STATE WHAT CROPS YOU WISH TO INOCULATE.

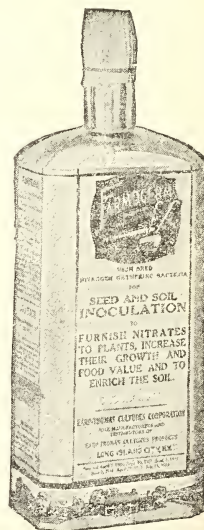
FARMOGERM is so inexpensive and is so effective an insurance that you cannot afford to sow legume crops without it.

NEW LOW PRICES, for small seeds—Clovers, Alfalfa, etc.

½-bus. size 35c; ½-bus. size 60c; 1-bus. size \$1.00; 2½-bus. size \$2.25; 10-bus. size \$8.00.

Special Reduced Prices on Cultures for Large-Size Seeds—Soy Beans, Cowpeas, Peas, Beans, Vetches, etc. ½-bus. size 35c; 1-bus. size 60c; 5-bus. size \$2.25.

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25c.



WHEN AND HOW TO ORDER

USE ORDER BLANK in the front of your Catalog, carefully filling out the blank spaces at the top for shipping directions. Be sure to sign your name.

PRICES—The prices named in this catalog are those prevailing at the time the catalog goes to press and are subject to market changes in value. Your order will be figured at the price prevailing at the time same is received and where lower you will be protected and refund made according to price. As prices usually advance on many items, toward the planting season, it will be to your advantage to order early.

Our seeds are not sold on commission, therefore we do not have a quantity of unsold seeds returned to us or carried over. Packets are put up fresh each season and you can make no mistake in using POOLE'S Quality Seed.

OUR TERMS ARE STRICTLY CASH WITH ORDER where arrangements for credit have not been previously made.

SEND MONEY by Postoffice or Express Money Order, Bank Draft or Registered Letter. Postage stamps will be accepted for small amounts. Money sent in any other way is entirely at sender's risk.

SPECIAL NOTICE—We pay postage on all Flower Seed and all vegetable Garden Seed Excepting Peas, Beans, Corn and Onion Sets. For these see Zone Rates.

POSTAGE AND PARCEL POST RATES are compiled for your information on back of front cover of this catalog and you should keep them for reference. Remember where shipments are made FROM points on R. F. D. Routes the handling charge of 2c per shipment is omitted.

ALL other items are P. O. B. Tacoma, Wash., unless the price is stated otherwise, and money should be sent to cover transportation if sent to a station without an agent or if sent parcel post, balances will be promptly returned. A compliance with this will save expense and annoyance and insure quicker delivery. Advise how you want your goods shipped.

WE DO NOT GUARANTEE REPLACEMENT OF GOODS SENT BY MAIL. An additional remittance of five cents will insure any small package.

PREPAY STATIONS. When you send in orders to go by freight or express be sure that you add money enough to pay freight charges if your station is a **prepay point**, which is **always the case where there is no regular agent.**

EXPRESS AND FREIGHT. Seeds and merchandise sent by freight or express means that we deliver the goods to the express or railway company. The purchaser pays all transportation charges on goods. On moderate sized orders we advise express shipment rather than freight. **Upon delivery of goods to transportation company, a sale is completed.** In event of loss or damage in transit the purchaser must have notation of such loss placed upon his receipt, and may then file claim for loss at his station, or may send the necessary papers to us when we shall gladly enter claim for him, remitting to him as soon as the claim is paid. Remember that our responsibility ceases on delivery in good order to the transportation company, and it is therefore imperative that every purchase be carefully examined for loss or damage before receiving it.

SPECIAL QUOTATIONS ON LARGE ORDERS: Any dealer, market gardener, institution or individual wishing seed in large quantities, is requested to mail us a list of what is wanted, and we will promptly return it with the very lowest market prices. **A letter of inquiry may save you dollars** if you want to buy in quantity. If in need of something pertaining to agriculture not herein listed, write us before ordering elsewhere.

COMPLAINTS OR PRAISES. If you are well pleased with our goods and the manner of doing business, tell everyone. If you are not, tell us, so we can please you. Our best efforts will be put forth in filling orders carefully and promptly in a way that will please you.

KEEP A COPY OF YOUR ORDER. Check goods when received. We use the greatest care in filling, checking and packing orders, but in spite of all, mistakes may occur. Should any happen in your order, advise us promptly, giving order number, and same will be promptly rectified. **Do not return good until you hear from us.**

SEED DISCLAIMER

All orders are accepted, all shipments made, subject to the following disclaimer, to-wit:

While we exercise the greatest care to have all Seeds pure and reliable, and all Bulbs, Plants and Nursery Stock true to name, we do not give any warranty, express or implied, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms and conditions, they must be returned at once, and the money that has been paid for the same will be refunded.—**POOLE'S SEED & IMPLEMENT CO.**

PARCEL POST RATES

Mailing Rate for Seeds, Plants and Books 1c for 2 ounces up to 8 ounces and over 8 ounces take Parcel Post Rates.		First Pound or Fraction Thereof	Each Additional Pound or Fraction
Local or District Rate—Tacoma Office and Rural Routes therefrom		\$0.07	.01 per 2 lbs. Weight Limit, 70 lbs.
1st Zone } up to and including a radius of 150 miles from the point of mailing		.07	\$0.01 Weight Limit, 70 lbs.
2nd Zone }		.08	.02 Weight Limit, 70 lbs.
3rd Zone		.09	.04 Weight Limit, 50 lbs.
4th Zone		.10	.06 Weight Limit, 50 lbs.
5th Zone		.11	.08 Weight Limit, 50 lbs.
6th Zone		.13	.10 Weight Limit, 50 lbs.
7th Zone		.14	.12 Weight Limit, 50 lbs.
8th Zone			

Weights of Various Articles—Per Bushel

Artichokes	60 lbs.	Flaxseed	56 lbs.	Peas, Smooth	60 lbs.
Barley	48 lbs.	Grass Seeds (unless otherwise stated)	14 lbs.	Peas, Wrinkled	56 lbs.
Beans	60 lbs.	Hungarian Millet	48 lbs.	Perennial Rye Grass	20 lbs.
Buckwheat	48 lbs.	Lawn Grass	20 lbs.	Potatoes	60 lbs.
Blue Grass—		Meadow Fescue	24 lbs.	Rape	60 lbs.
Kentucky	21 lbs.	Millet	50 lbs.	Rye Grain	56 lbs.
English	24 lbs.	Oats	32 lbs.	Red Top	14 lbs.
Clover Seed	60 lbs.	Onion Sets	32 lbs.	Red Top, Solid Seed	42 lbs.
Corn, Shelled	56 lbs.	Orchard Grass	14 lbs.	Timothy	45 lbs.
Emmer Speltz	40 lbs.			Vetches	70 lbs.

Pooles Superb Vegetable Seeds

For more than thirty-five years, Pooles Quality Seeds have been recognized by the professional as well as the amateur gardeners for their high standard of Purity and germination. Our Seed growers thru many years of close study and careful selection of varieties, have been able to produce strong and healthy breeds, that are absolutely reliable.

We are in a position with our years of experience in the Northwest to fill your Seed Order with accuracy and promptness that has won us an enviable position among our customers. REMEMBER THIS—When you order seeds from Poole's you are getting the best value that money can buy.

REFERENCE TABLE

Quantity of seed to produce a given number of plants or to sow an acre

Artichoke, 1 oz. to 500 plants	6 oz.
Asparagus, 1 oz. to 800 plants	1 lb.
Asparagus Roots	7500
Barley	2 to 2½ bu.
Beans, dwarf, 1 lb. to 100 ft. of drill	1 bu.
Beet, Garden, 1 oz. to 100 ft. of drill	½ bu.
Mangel, 1 oz. to 100 ft. of drill	6 to 7 lbs.
Broccoli, 1 oz. to 2,000 plants	5 lbs.
Brussel Sprouts, 1 oz. to 2,000 plants	4 oz.
Buckwheat	½ to 1 bu.
Cabbage, 1 oz. to 2,000 plants	4 oz.
Carrot, ½ oz. to 100 ft. drill	4 oz.
Cauliflower, 1 oz. to 3,000 plants	3 to 4 oz.
Celery, 1 oz. to 5,000 plants	4 oz.
Cheat	2 bu.
Chickory	4 lbs.
Clover, Alsike and White	8 to 10 lbs.
Alfalfa	15 to 20 lbs.
Crimson Trefoil	10 to 15 lbs.
Red	10 to 15 lbs.
Collards, 1 oz. to 2,000 plants	4 oz.
Corn, Sweet or Field, hills	12 to 15 lbs.
For soiling drills	3 bu.
Cress, ¼ oz. to 100 ft.	1 lb.

Emmer	100 lbs.
Cucumber, 1 oz. to 100 hills	2 to 3 lbs.
Egg Plant, 1 oz. to 2,000 plants	4 oz.
Endive, ¼ oz. to 100 ft. drill	4 lbs.
Flax broadcast	¾ bu.
Grass—	
Kentucky Blue, for pasture	1 to 2 bu.
Meadow Fescue	1 bu.
Mixed Lawn	5 to 6 bu.
Red Top, Chaff	1 to 2 bu.
Red Top, solid seed	10 to 15 lbs.
Timothy	10 to 15 lbs.
Orchard, Perennial Rye	1 to 2 bu.
Wood Meadow	1 bu.
Kale, 1 oz. to 2,000 plants	4 oz.
Kaffir Corn, in drills	6 to 10 lbs.
Kohl Rabi, 1 oz to 2000 plants	4 oz.
Leek, 1 oz. to 100 ft. of drill	4 lbs.
Lettuce, 1 oz. to 150 ft. of drill	3 lbs.
Mushroom Spawn	1 brick to 10 sq. ft.
Millet—For Seed	20 lbs.
For Hay	30 lbs.
Melon, Musk, 2 oz. to 100 hills	2 to 3 lbs.
Water, 4 oz. to 100 hills	3 to 4 lbs.
Oats	2 to 3 bu.

Okra, 1 oz. to 100 ft. of drill	8 lbs.
Onion Seed, for sets	60 to 85 lbs.
1 oz. to 150 ft. drill	4 to 4 lbs.
Onion Sets, 1 qt. to 40 ft. drill	8 bu.
Parsnips, 1 oz. to 150 ft. drill	3 lbs.
Parsley, 1 oz. to 150 ft. drill	3 lbs.
Peas, Field	2 bu.
Garden, 1 lb to 100 ft. drill	1 to 2 bu.
Pepper, 1 oz. to 1,000 plants	2 lbs.
Potatoes	10 bu.
Pumpkin, ½ lb. to 100 hills	3 to 5 lbs.
Radish, 1 oz. to 100 ft. drill	10 lbs.
Rape	3 to 5 lbs.
Rye	1½ to 2 bu.
Salsify, 1 oz. to 100 ft. drill	6 to 8 lbs.
Spinach, 1 oz. to 100 ft. drill	8 to 10 lbs.
Sunflower	8 lbs.
Squash—Summer, 4 oz. to 100 hills	3 lbs.
Winter, 8 oz. to 100 hills	4 lbs.
Tomato, 1 oz. to 2,000 plants	4 oz.
Tobacco, 1 oz. to 4,000 plants	3 oz.
Turnip, 1 oz. to 150 ft. drill	2 to 3 lbs.
Vetches	1½ to 2 bu.
With Grain	1 bu.
Wheat	1½ to 2 bu.

ASPARAGUS

What Is More Delicious Than Fresh Asparagus Tips From Your Garden

Asparagus is one of the earliest spring vegetables and is not difficult to raise. It may be grown on most any good deep rich soil either from seed or roots.

1001—Washington, the New Rust-Resisting Asparagus. The new pedigreed rust-resistant variety was bred up by the United States Bureau of Plant Industry co-operating with the Massachusetts Agricultural Experiment Station covering a period of fourteen years. Washington and Palmetto Asparagus planted this spring, side by side, we find the Washington has made double the growth over the Palmetto. Seed planted April 15th has attained a growth of 4½ feet. Pkt., 10c; oz., 30c; ¼-lb. 90c; lb., \$3.00.

1002—Palmetto. Of southern origin; a very desirable, bright green Asparagus. Oz., 15c; ¼-lb., 35c; lb., \$1.00.

1003—Colossal. The approved standard sort. The famous Argenteuli of the French is identical with it. Oz., 15c; ¼-lb., 35c; 1 lb. \$1.00.

1004—Columbian Mammoth. Very large shoots. Oz., 15c; ¼-lb. 35c; 1 lb., \$1.00. All 5 cents per packet.

ASPARAGUS ROOTS

Palmetto—2-year-old roots. One doz., 25c; 50 for 75c; 100 for \$1.25.

Washington—2-year-old roots. One doz., 25c; 50 for 75c; 100 for \$1.25.



SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

ROOT PLANTING—A year may be saved by buying the plants. (two-year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS



1011—Improved Golden Wax. One of the most popular garden varieties in cultivation. Pods are long, nearly straight, broad and flat, and golden-yellow; seed white, more or less covered with two shades of purplish red. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

CULTURE—About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot, dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; feet of drill; 40 to 50 lbs. to the acre.

DWARF or BUSH BEANS

Whether one grows wax or green beans is a matter of taste. Tests have proved as far as can be, that there is no difference in flavor or tenderness; and they are both grown alike. The round podded varieties are considered to be more brittle, while the flat podded types are better yielders.

YELLOW PODDED OR WAX

1010—Prolific Black Wax (Pencil Pod). An improvement on the old Black Wax or Butter Bean. Very vigorous and prolific; pods fairly long, golden-yellow, very brittle, and stringless; seed black Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1012—Davis Kidney Wax. The most hardy and productive wax bean. The pods are long, white, straight, crisp and tender. The vine is rustless and very vigorous, bearing the pods in clusters. For canning this is unexcelled on account of purity of the pod and bean. It is a remarkably good variety for shipping; seed white, and on this account is desirable for a shelled bean in winter. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1014—Weber Wax. Extra early dwarf wax bean. Ready for table in 58 days. Pods 6 in. long. Straight and flat and stringless. Deep yellow. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.

drop the beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession. One lb. to 100

DWARF GREEN POD BEANS

1020—Canadian Wonder. This splendid bush bean is the largest, most prolific of the green-podded sorts, and is entirely stringless in its early development. Comes a little later than the New Stringless Green Pod, but continues in bearing throughout the season, and is excellent shelled green. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1016—Early Long Yellow Six Weeks. A long podded green variety. Plants strong and vigorous. Full flat pods. Excellent for market gardeners. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1017—Stringless Refugee. A splendid improvement on the Refugee or Thousand to One, with which it compares in season and earliness, but is absolutely stringless. Pods are round, more even in length, possibly a little lighter green in color, exceedingly tender and of a delicious flavor. A splendid bean both for snap and canning purposes. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1018—Broad Windsor. Stalk erect, strong and shrubby. The bean is large, broad and flat; should be planted early and is best green shelled. An English variety. Pkt., 10c; lb., 30c.

1019—Extra Early Red Valentine. A popular variety; erect vine with dark-green leaves. Pods of medium length; fleshy, round and saddle-backed, with only slight strings. Seed pink, marbled with red. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

Any crop that grows it's seeds in a pod will give two to five times the yield if inoculated with FARMOGERM. See page 1.

1030—Burpee's Bush Lima. A bush form of the large flat Pole Lima, growing only 18 to 20 inches high. The beans are borne very profusely. Pkt., 10c; lb., 35c.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

DWARF or BUSH BEANS (Continued)

Green Podded Varieties

1015—Stringless Green Pod. The finely shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than any other green-podded bean. It is of immense value, not only to the market gardener, but also for those who seek early beans of a rare quality for the home table. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1021 Dwarf Horticultural, or "Cranberry Bean." Grows erect, strong and shrubby, and is very prolific. The bean is highly prized, green shelled. It is rather large, plump, and beautifully mottled yellow and red; one of the most delicious and desirable beans and a great favorite with market gardeners. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1022—Lady Washington Field Bean. An improvement over the old Navy Bean; is earlier, larger and more productive. Pkt., 10c; lb., 25c; 10 lbs., \$2.25.

1025—Castor Bean. Used for medical purposes and by some claimed to keep moles away. Castor beans are very ornamental, the plants and foliage being large and tropical in appearance. Pkt., 10c; oz., 20c; lb., \$2.00.

CLIMBING or POLE BEANS

CULTURE—Do not plant until the soil has become warm and the weather settled—and always remember beans should have rich, well drained soil. It is best to set the poles before planting; these should be six to eight feet high, rows about four feet each way. Plant four to six beans to the hill and thin to two or three, depending on the variety. A pound should plant 75 to 100 hills. A top dressing of commercial fertilizer or old manure should be worked in when cultivating.

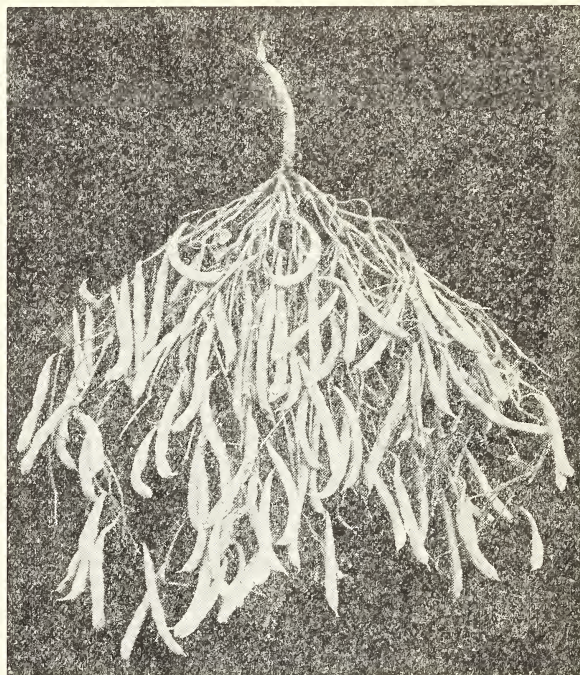
1035—Kentucky Wonder. This grand pole bean continues to be a great favorite. It is perfectly suited to this climate. Medium early, and enormously productive. Very large, long pods that cook tender and melting, and when once matured the green shelled beans are excellent. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.

1036—Oregon Giant Greenpod (Dickenson's Yount) Also known as "Tacoma Wonder." The large fleshy pods 10 to 12 inches in length are free from all stringiness and are tender, crisp and delicious. The size, splendid quality and rich flavor make this one of the most desirable for home gardens and for canning. "Oregon Giant" is a strong grower and yields heavily, bearing its enormous pods in great clusters. The color is a light greenish yellow, splashed red. Pkt. 20c; ½ lb., 30c; 1 lb. 50c; 10 lbs. \$4.00.

1037—Horticultural Pole. Good as a snap or as a shell bean; one of the old standards and still very popular. Pods short, pale green, becoming splashed with brownish red. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.



Tall Horticultural



Stringless Refugee

1039—Lazy Wife. Pods are from four to five inches in length, produced in large clusters in great abundance. Dark green, thick, fleshy and stringless; of unusually rich flavor. Dry beans, pure white, excellent for winter use. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1040—Scarlet Runner. Especially used as a flowering bean. Used frequently as a shell and snap bean. Pkt., 10c; lb., 40c.

1041—Oregon Pole Lima—The only Lima Bean that will thrive in our cool climate. Oregon Pole Lima grows a strong, thrifty vine and is very prolific, bearing continuously until frost, the blossoms bursting from the top shoots in long panicles, while the pods can be seen in every stage of development, to the matured beans at the bottom of the vine. Pods are well filled, having three to five large beans of finest quality. Oregon Pole Lima can be planted in any garden soil as early as April or late as July. Give the same care and culture as other Beans, and they are ready to use when the pods are filled and first begin to ripen. They are at their best when the full green pods begin to turn yellow. Pkt., 10c; lb., 45c.

1042—King of the Garden Pole Lima. One of the best and most popular main crop varieties. It is medium early and has very long pods, 5½ to 6½ inches long, which are well filled with four or five good-sized beans. Pkt., 10c; lb., 45c.

1045—Kentucky Wonder Wax. The Pride of the Garden. It commences to bear when scarcely higher than the average bush variety. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

Table Beets

CULTURE—Sow as early in the spring as the ground can be worked (one ounce to 50 feet of drill, five or six pounds to the acre), and every two weeks after for a succession up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with

stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. The young beets, with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when of the size of a hickory nut.



Detroit Dark Red

1050—Extra Early Egyptian. The best variety for forcing and for market gardeners, being very early with small tops. Roots very dark red, rounded on top, but flat beneath, with very small tap roots. Pkt., 5c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

1051—Detroit Dark Red Turnip. A fine beet for bunching for market; tops exceptionally small and uniformly upright. The roots are perfect turnip shape with small tap roots. One of the deepest red beets. Quality is of the finest; sweet and tender, best beet for home gardens. Pkt., 5c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

1052—Early Eclipse. One of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform, globular shape. The roots are a bright, glossy red, fine-grained and delicious. Pkt., 5c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

1053—Crosby's Egyptian. Very popular early beet, as it reaches the desired size quickly. The beets are of good size, rather flat than round, and flesh dark. Pkt., 5c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

1054—Crimson Globe. Globular shape; flesh rich, deep crimson; tender and sweet. Pkt., 5c; oz., 15c; ¼-lb., 35c; lb., \$1.25.

1055—Early Blood Turnip—Improved. An extra selected stock of blood turnip having large, coarser tops and roots than the Detroit Dark Red, and requiring a longer time to mature. Excellent for summer and autumn use. Pkt., 5c; oz., 15c; ¼-lb. 35c. lb., \$1.00.

1056—Long Blood. The root is smooth and handsome, flesh brilliant in color and excellent quality. Good keeper. Pkt., 5c; oz., 15c; ¼-lb. 35c; lb., \$1.00.

SWISS CHARD (Spinach Beet)

1070—New Savoyed Leaf. "LUCULLUS" An improved variety of "Swiss Chard," growing about two and a half feet high. The heavy stalks are over an inch thick and bare for more than a foot of their length. The leaves make the finest of "greens." By cutting back the leaves close to the ground tender shoots spring up quickly, these or the mid-rib are very delicious cooked as asparagus. Swiss chard is hardy, easily grown and should be in every garden. It is one of the most delicious of all vegetables. Pkt., 5c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

BROCCOLI

CULTURE—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or four inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate the same as cabbage, in rich soil.

1075—ST. VALENTINE—The Finest of All Broccoli. This grand new strain is a sure header of immense size, finest quality, and is ready for market in February. The large, solid, handsome, white heads remain in good condition longer than other varieties. Pkt., 15c; oz., \$1.50; ¼-lb., \$5.00.

1076—Early White. Resembles cauliflower; very white and sure to head. Pkt., 5c; oz., 75c; ¼-lb., \$2.00.

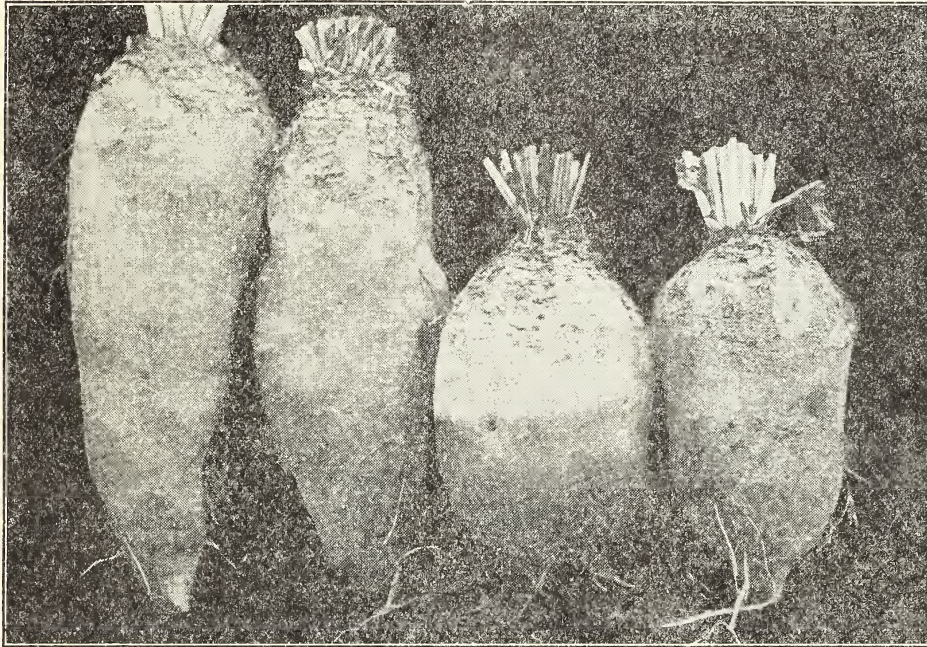
1077—Mammoth White. A valuable variety with large, white heads, firm and of good flavor. Pkt., 5c; oz., 75c; ¼-lb., \$2.00.



A Planet Jr., Seeder will save Labor, Saves Seed at planting time.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

Mangel-Würzel and Sugar Beet



Yellow Giant

Sludstrup

Golden Tankard

MANGEL-WURZEL OR STOCK BEETS

CULTURE—As all Mangels require a deep soil in order to grow well, plow subsoil at least 1 foot to 18 inches. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows. Young plants may be transplanted to fill up vacancies.

(On 5 pounds or over, 5c per pound less.)

1060—Danish Sludstrup. An improved variety, considered one of the best. Awarded first class certificate. Color reddish-yellow and of a distinct type. It is very hardy, grows well above ground; is easily pulled and very nutritious. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 50c.

1061 — Improved Mammoth Long Red. Very popular and much used. A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more

above the surface; roots quite regular; attain a very large size. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 50c.

1062—Golden Tankard. An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep yellow; of fine shape, growing largely above soil, thus being easily harvested. Pkt., 5c; oz., 10c; ¼-lb., 20c; 1 lb., 50c.

1063—Yellow Giant, Intermediate or Gate Post. Roots very large, growing over one-half out of the ground; flesh white, sweet and tender; tops bright green, comparatively small; neck small, short. Its fine flesh never becomes woody and the crop is easily harvested. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 50c.

Use "Snarol" for destroying Cut Worms, Snails, Slugs in your Gardens.

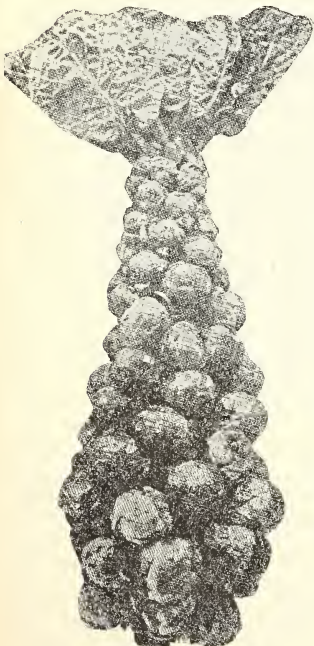
1064—Giant Half Sugar Mangel. A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer. Yields as much per acre as the best Mangels, and twice as much per acre (bulk of roots) as the rich sugar beet. Roots long, thick and large, very smooth, with few rootlets and creamy white in color, with medium-sized top. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 50c.

SUGAR BEETS

1065—French White Sugar. The sugar beet most generally grown, as it combines with heavy yield, from 10 to 13 per cent of sugar. Pkt., 5c; oz., 10c; ¼-lb., 25c; 1 lb., 75c.

1066—Klein Wanzleben Sugar. This is the standard variety grown commercially for the production of sugar. Pkt., 5c; oz., 10c; ¼-lb., 25c; lb., 75c.

BRUSSELS SPROUTS



Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost.

CULTURE—Sow in May, in the same manner as cauliflower, and transplant in July, 1 foot apart in the rows which should be 1½ feet apart. The Brussels Sprout is without exception, the best winter vegetable that can be grown.

1080—Dwarf Improved. A carefully grown strain very hardy and giving compact, round sprouts of large size and good quality. Pkt., 5c; oz., 25c; ¼-lb., 75c; lb., \$2.50.

**"PEP
PAYS"**

Pooles Selected Cabbage Seeds



CULTURE—The requisites for complete success are: First—Good seed. There is no other vegetable where the seed has so much influence on the quality of the product, and gardeners should always use the best procurable. Second—Rich, well prepared ground. Third—Frequent cultivation. A heavy moist and rich loam is most suitable, which should be highly manured and worked deeply. Cabbage is universally grown and specific directions regarding the time and method of planting applicable to all localities cannot be given. In general, the early sorts should be sown very early in hot beds, hardened off by gradually exposing to outside air, and as early as the ground is in good condition, transplanted, setting 18 to 36 inches apart, according to size of variety. The late Autumn and Winter varieties may be sown from the middle to the last of Spring and transplanted when four to six inches high. Shade and water the late sowing in dry weather to get them up.

The CABBAGE MAGGOT can be successfully repelled by pouring half pint of 0.35% liquid SEMESAN around the roots of each plant two or three days after transplanting.

1087—Early Winningstad. A desirable variety having conical, solid heads; a sure header under almost any condition, and keeps better than most early varieties. Fine appearance and of excellent quality. Pkt., 5c; oz., 30c; ¼-lb., \$1.00; lb., \$3.00.

1088—Large Wakefield or Charleston. The heads are of similar form, though not so pointed, but of equal solidity as the original Jersey Wakefield, while they grow half again as large, reaching full size about ten days later. Pkt., 5c; oz., 30c; ¼-lb., \$1.00; lb., \$3.00.

1089—Early Summer. Large, solid, round, flattened, compact heads of excellent quality; the plant has a peculiar bluish tinge. Pkt., 5c; oz., 30c; ¼-lb., \$1.00; lb., \$3.00.

1090—Early Flat Dutch. An early, hard-heading variety of fine quality and a standard type. Pkt., 5c; oz., 30c; ¼-lb., \$1.00; lb., \$3.00.

FANCY SELECTED STRAINS

Produced for us by the most reliable breeders and Growers in Denmark

1085—Early Jersey Wakefield. The earliest and hardest heading of first early cabbages. Most gardeners depend upon it for the bulk of their extra early crop. Its exceeding hardness not only to resist cold but other unfavorable conditions, insures the greatest likelihood of profitable and satisfactory results. Our stock is grown and selected with the greatest care. There is none better and few as good. Head conical, very compact, solid and of excellent quality. The thick, stout leaves and compact habit of this variety make it the best sort for very early setting. Highest quality seed. Pkt., 5c; oz., 30c; ¼-lb., \$1.00; lb., \$3.00.

For CABBAGE APHIS spray with Black Leaf "40" or dust with Garden Guard

1091—Golden Acre. This is quite similar to the popular Copenhagen Market, but somewhat smaller and earlier. A uniform, tightly folded and well-blanching head of superb quality. Pkt., 5c; oz., 40c; ¼-lb., \$1.25; lb., \$4.00.



1086—Copenhagen Market. A new extra early globe-shaped cabbage slightly flattened. The large solid heads are very uniform, with few other leaves. Keeps well and stands handling. Copenhagen Market originated in Denmark, where it is the favorite market variety, and we recommend it to our customers as the best early round head. Gardeners should give it a trial. Our stock is direct from the originator. Pkt., 5c; oz., 35c; ¼-lb., \$1.10; lb., \$3.50.

CABBAGE (Continued)

1093—Danish Ball Head or Cannon Ball (Long Stem) This is one of the hardest cabbages in cultivation and endures both frost and drouth that would destroy other varieties. Plants rather long-stemmed, but compact; leaves very smooth, but thick; head of medium size, round and very solid, being the hardest heading cabbage we know of, and of very best quality. Matures quite late, keeps well, and is considered by many the best cabbage to hold over for spring markets. Pkt. 5c; oz. 30c; $\frac{1}{4}$ -lb. \$1.00; lb. \$3.00.

1094—Danish Ballhead, or Cannon Ball. (Short Stem.) Very round, solid winter sort, largely grown in Denmark for the London market. A fine shipper. Pkt. 5c; oz. 30c; $\frac{1}{4}$ -lb. \$1.00; lb. \$3.00.

1095—Red Drumhead. A large, very solid, late red cabbage, much used in pickling. Good keeper and a favorite with the ladies. Pkt. 5c; oz. 30c; $\frac{1}{4}$ -lb. \$1.00; lb. \$3.00.

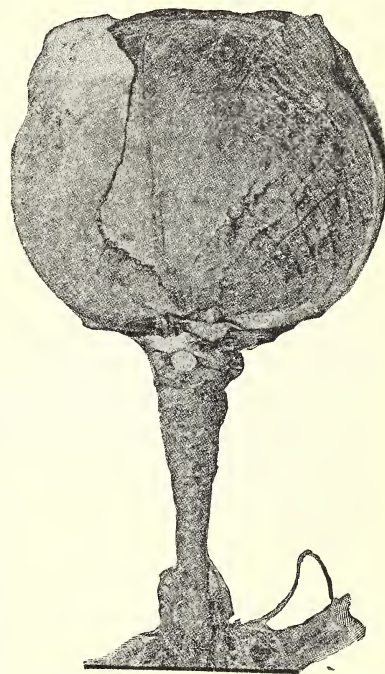
1096—Drumhead Savoy. This is the finest of the Savoy cabbages, and a general favorite; of excellent flavor, surpassing that of any other late cabbage. Stands freezing well. Pkt. 5c; oz. 35c; $\frac{1}{4}$ -lb. \$1.25; lb. \$3.75.

1092—Premium Late Dutch. Best for winter use; round or slightly flattened heads; stands freezing well. A good keeper and of excellent quality. Pkt. 5c; oz. 30c; $\frac{1}{4}$ -lb. \$1.00; lb. \$3.00.

1100—Chinese Improved or Pe-Tsai. The strain we offer resembles when well grown Cos Lettuce rather than Cabbage. It is often called Celery Cabbage on the market. The leaves when young are crimped, of light green color and appear like smooth leaved mustard but with much broader and heavier midribs. The plant as it matures becomes more upright and forms heads much like Cos Lettuce. The inner leaves blanch an attractive light yellow or creamy white with very mild white mid ribs. It is of distinctive flavor, very mild and pleasant. It is served as a salad like lettuce or cooked like asparagus. Sow in this latitude after July 1st at the same time as turnips. Pkt. 5c; oz. 25c; $\frac{1}{4}$ -lb. \$2.50.

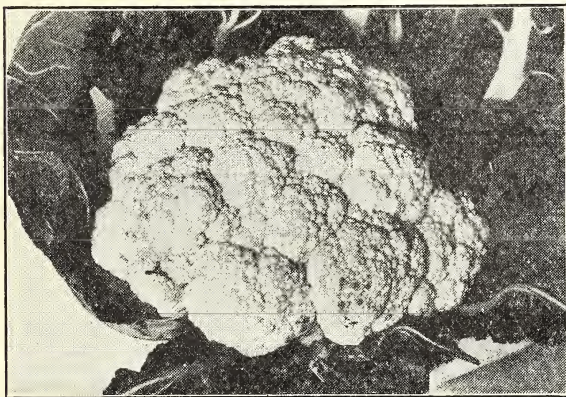
HARDY CABBAGE AND CAULIFLOWER PLANTS

We carry a stock of healthy plants in season—Write for prices.



Danish Ballhead Long Stem

CAULIFLOWER



CULTURE—The same as for cabbage, except that extra manure and plenty of water will pay upon cauliflower. If the soil be dry, water frequently, and if the plants have a heavy mulch of hay or straw, it will keep the soil moist, and they will not suffer from drought. The early kind should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same time as cabbage.

1120—Poole's Mt. Tacoma Cauliflower. The earliest of all. Produces large, heavy, solid, white heads of finest quality. Undoubtedly the best variety. Pkt., 25c; $\frac{1}{4}$ -oz., \$1.25; $\frac{1}{2}$ -oz., \$2.25; oz., \$4.00.

1121—Extra Early Snowball. This variety is much in demand by market gardeners for main crop. Its earliness, compact habit, large-sized heads and snow-white color recommend it to every grower as a variety of special merit. We have an extra selected stock of this sort, and recommend it with the greatest confidence. Pkt., 15c; $\frac{1}{4}$ -oz., 65c; $\frac{1}{2}$ -oz., \$1.25; oz., \$2.25.

1122—Danish Giant—Dry Weather Cauliflower. Danish Giant is an early, large, solid white Cauliflower that can successfully withstand a drouth that would prove fatal to other varieties and will thrive splendidly in dry sections, being peculiarly adapted to their growing conditions, but like all cauliflower must have rich soil and cultivation to give best results. Danish Giant can also be grown under moist conditions and is a dependable market variety. Pkt., 15c; $\frac{1}{4}$ -oz., 75c; $\frac{1}{2}$ -oz., \$1.25; oz., \$2.00.

1123—Early Paris. Very early. The heads are rather small but are solid and of fine quality. Pkt., 15c; $\frac{1}{4}$ -oz., 35c; $\frac{1}{2}$ -oz., 65c; oz., \$1.25.

1124—Large Algiers. A valuable late sort, sure to head, of the best quality and very popular with market gardeners everywhere. Plants large, but of upright growth, the leaves protecting the heads so that they will endure, uninjured, a frost that would ruin other sorts. One of the very best of the late varieties. Pkt., 10c; $\frac{1}{4}$ -oz., 35c; $\frac{1}{2}$ -oz., 65c; oz., \$1.00.

1125—Autumn Giant. The heads are white, large, compact and thoroughly protected by foliage. Pkt., 10c; $\frac{1}{4}$ -oz., 35c; $\frac{1}{2}$ -oz., 65c; oz., \$1.25.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

CARROTS

FOR TABLE USE

CULTURE — A sandy loam is the best soil for the carrot, but any good land, if thoroughly and deeply worked, will produce a satisfactory crop. Sow as early in the spring as the ground is fit to work, though good crops may be grown as late as June 15. For table use, sow the smaller kinds in rows 16 to 18 inches apart, and for the field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart. Cover one-

Chantenay

half to one inch deep and see to it that the soil is well firmed above the seed.

1105—Early Scarlet Horn—The best early kind for general use. It is larger than the forcing variety, but fully as good in quality, and produces a much larger crop. Pkt., 5c; oz., 15c; $\frac{1}{4}$ -lb., 40c; lb., \$1.25.

1106—Chantenay. The market gardener's favorite. Tops, medium sized; necks, small; roots, tapering slightly, but uniformly stump-rooted and smooth; color, deep orange red; flesh, very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ -lb., 30c; lb., \$1.00.

1107—New Coreless. A splendid new carrot. Larger than other early varieties. Crisp, solid, of fine flavor and almost coreless, grows smooth and uniform, a true stump rooted type. The very best for canning or drying as it is nearly coreless and has no tap root to trim off and waste. Holds its color and cooks quickly. The ideal carrot for home gardens. Pkt., 10c; oz., 20c; $\frac{1}{4}$ -lb., 45c; lb., \$1.25.

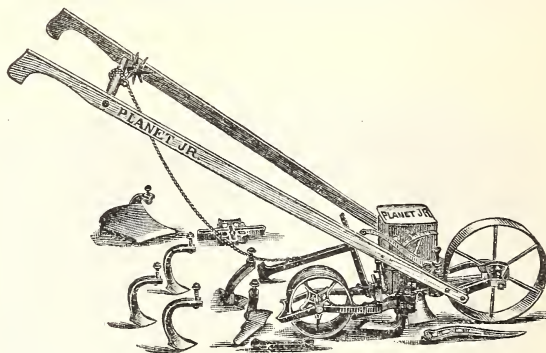
1108—Danver's Half Long. Grown largely on account of its productiveness and adaptability to all classes of soil. Tops medium sized, coarsely divided. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh, sweet, crisp, tender; deep orange in color. Although the roots of this variety are short, they produce as large bulk as the longer field sorts and more easily harvested. Pkt., 5c; oz., 10c; $\frac{1}{4}$ -lb., 30c; lb., \$1.00.

1109—Oxheart. A thick carrot, five or six inches long and very blunt at the lower extremity. It grows very rapidly and the root attains a weight of more than a pound. It is tender and of good flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ -lb., 30c; lb., \$1.00.

1110—St. Valery or New Red Intermediate. Roots very smooth and regular in growth; of large size, from 10 to 12 inches in length, and 2 to 3 inches in diameter at the top, tapering gradually throughout. The flesh is a rich, deep orange-red, free from hard core. Called the "Pointed-rooted Danvers." Pkt., 10c; oz., 20c; $\frac{1}{4}$ -lb., 40c; $\frac{1}{2}$ -lb., 65c; lb., \$1.15.

THERE IS PLEASURE AND PROFIT

in home gardening if you use a Planet Jr. Combination Seeder and Wheel Hoe.



For full descriptive matter see page —

CARROTS FOR STOCK AND POULTRY FEEDING

INCREASED VITALITY MEANS MORE EGGS

1111—Orange, Improved Long. Popular for farm use on deep, mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored roots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ -lb., 30c; lb., \$1.00.

Yellow Carrots are being highly recommended for use as green feed for poultry because they are very high in the necessary VITAMINES required for increasing VITALITY and EGG PRODUCTION.

1113—Large Yellow Belgian. This is similar to the White Belgian in growth and form, but skin of the portion growing below the soil is of a pale orange coloring. The flesh is light orange. Pkt. 5c; oz., 10c; $\frac{1}{4}$ -lb. 30c; lb. \$1.00.

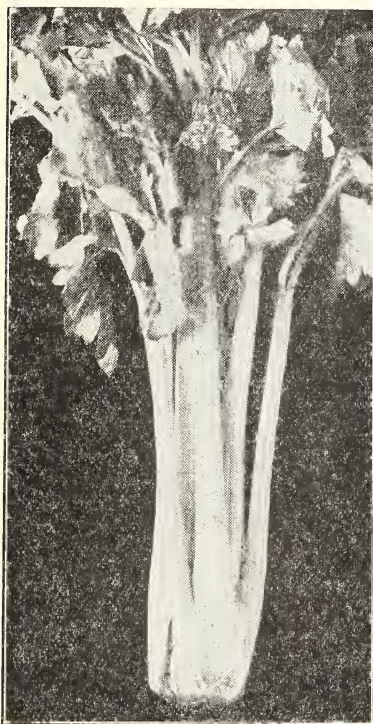
1112—Large White Belgian. Extensively grown for stock feeding; very productive. Grows so much above the ground that the entire crop can be pulled by hand. Pkt., 5c; oz., 10c; $\frac{1}{4}$ -lb., 30c; lb., \$1.00.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

CELERY

CULTURE—Sow the seed early, about February, in a hot-bed or cold frame. When three inches high, transplant, setting them four inches apart. When grown six inches and fine, stocky plants, set in richly manured, deep soil, in rows three and a half feet apart and about nine inches from plant to plant. Water if dry weather follows transplanting. During the next two months all the attention that is required is to keep down the weeds. Blanch by placing boards along the rows, or earth up a little, and continue doing so at intervals until only the tops of the leaves are visible late in Autumn. Never hoe up the earth when plants are wet. One ounce of seed produces about six thousand plants.

1130—White Plume, the Leading White Celery. A handsome, crisp sort, of very easy



cultivation. Naturally its stalks and portions of its inner leaves and heart are white, so that by closing the stalks either by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the troublesome process of "banking" or "earthing up." It is the earliest celery known. Pkt., 5c; oz., 25c; ¼-lb., 75c; lb., \$2.50.

1131—Golden Yellow Self-Blanching. This is no doubt the best celery for early spring market use. Plants of a yellowish green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier. Pkt. 10c; oz. 50c; ¼-lb. \$1.75.

1132—Winter Queen. This is without doubt the most valuable variety of celery for winter and spring use ever introduced. Has double the amount of heart of any known celery. The plant has a fine appearance, of compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp and a delicious nutty flavor. Stored for winter or spring use, it is an excellent keeper and when taken out the blanched stalks will be firm and crisp; entirely free from strings; brittle and of sweet flavor. Pkt., 5c; oz., 25c; ¼-lb., 75c; lb., \$2.50.

1133—Giant Pascal. Largest variety grown; of fine nutty flavor; very easily blanched. Pkt., 5c; oz., 25c; ¼-lb., 75c; lb., \$2.50.

Celery Seed—For flavoring. Oz., 10c; ¼-lb., 20c; lb., 65c.

CELERY PLANTS

We have a good stock of fine celery plants in season. Write for prices.

CARDOON

Sow early in spring, ½ to 1 inch deep, in rows 3 to 4 feet apart, where the plants are to stand, and thin them, when well up, to 2 feet apart. Soil should be moist, rich and deep. When full size, bind them together with raffia, and earth up like celery. The stems of the leaves are used for salads, soups and stews.

1116—Large Solid. Smooth; grows about 4 feet high; leaves nearly free from spines. Pkt., 10c; oz., 40c; ¼-lb., \$1.25.

CHICORY

1140—Witloof. Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 inches; treat as endive, except that in late summer or fall it should be gradually banked up like celery. The stalks, when blanched, make a delicious salad. It is also used by the French as a boiled vegetable. Pkt., 5c; oz., 25c; ¼-lb., 60c; lb., \$2.00.

CHERVIL

1145—Curled. This plant is used for flavoring soups and salads and has a strong perfume. Pkt., 5c; oz., 25c; ¼-lb., 80c.

COLLARDS

1151—True Georgia—Used as "Greens" mainly in the South and West. As the leaves are pulled off, others grow in their places. Pkt., 5c; oz., 20c; ¼-lb., 65c.

CELERIAC (Turnip Rooted Celery)

1135—Large Smooth Prague. An improved form, producing large smooth roots, which are nearly round. Pkt., 5c; oz., 25c; ¼-lb., 75c.

CORN SALAD

1150—Petticus, or Lamb's Lettuce—A refreshing salad, used extensively in winter and spring as a substitute for lettuce. It is often cooked like spinach. Sown in drills one foot apart, in the spring or fall. On the approach of cold weather cover over with straw or coarse litter. Pkt., 5c; oz., 30c; ¼-lb., \$1.00.

CRESS

1190—Curled or Pepper Grass—This salad is much used with lettuce, to which its warm, pungent taste makes an agreeable addition. The seed should be sown in drills about 16 inches apart, on very rich ground, and the plants well cultivated. It may be planted very early. Pkt., 5c; oz., 20c; ¼-lb., 50c; lb., \$1.50.

1191—True Water—One of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams. Under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt., 5c; oz., 60c; ¼-lb., \$2.00.

1160 — White Cob Cory. An improvement on the Red Cobbed Cory, as well as being equally early. The ears are larger, and it has the further advantage of having both a white cob and white grain. A splendid market garden variety, and excellent for the table. Pkt. 10c; lb. 25c; 10 lbs. \$2.25.

1161—Early white Cory Mammoth. The stalks are no larger than those of the White Cob Cory, but each stalk furnishes two or more large, fine-shaped ears, which are fit for use before those of most other sorts. The ears are 12-rowed, very symmetrical and handsome. The grain is large, broad, very white, and of remarkably good quality. Pkt. 10c; lb. 25c; 10 lbs. \$2.50.

1162—Early Evergreen. An improvement on Stowell's evergreen being similar in appearance and general character, but a week or ten days earlier, and remaining fit for use somewhat later than that well-known sort; equal to Stowell's in all other respects. Pkt. 10c; lbs. 30c; 10 lbs. \$2.50.

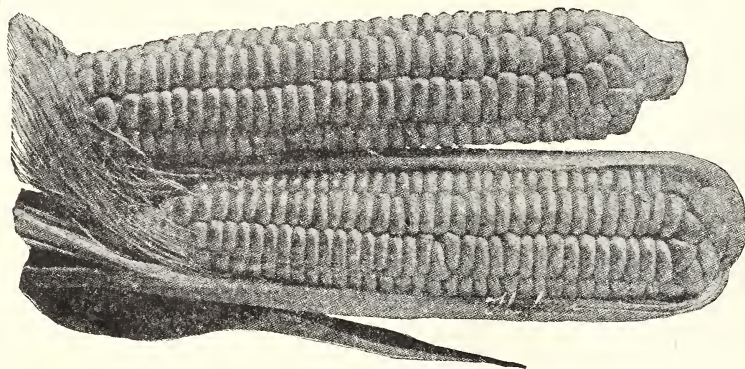
1164—Black Mexican—This sweet corn, when young, cooks remarkably white, but the ripe grain is black. It is an excellent late variety. The stalks grow about six feet high, and the ears about eight inches long. The kernels are tender, sweet and delicious. Pkt., 10c; 1 lb., 30c; 10 lbs., \$2.50.

1165—Peep-o'-Day—One of the earliest; very sweet and of delicate flavor. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1166—Early Minnesota—This old and deservedly popular variety is one of the best early sorts for the market and private garden. Pkt., 10c; lb., 25c; 10 lbs., \$2.25.

Sweet or Sugar Corn

CULTURE—Corn should not be planted until the ground is warm, as the seed will rot in cold damp soil, or if planted too deep. Late April is early enough for the first plantings and for succession plant every two weeks through May and June. Cover the first plantings very lightly, increasing the depth a little for the later plantings. For the Dwarf varieties, rows should be three feet apart for later varieties, four feet, and the hills two to three feet in the rows.



1167—Country Gentleman. Valued for its richness of flavor and productiveness, having 3 to 4 good ears to the stalk, all extra large, with exceedingly deep kernels. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.

1163—Golden Bantam. It is the sweetest and most deliciously flavored sweet corn that has been grown, and has no equal for the home garden or early market. In favor it is equaled by none. The ears are short, thick, and compactly filled with large, plump, creamy-yellow kernels, which become golden-yellow as they ripen. The stalks are of dwarf habit, sturdy and very productive. It is one of the hardest varieties, may be planted early, and is especially adapted to the Northwest. Pkt. 10c; lb. 25c; 10 lbs. \$2.25.

1168—Stowell's Evergreen—Remarkable for remaining a long time in a fresh condition, suitable for the table. Hardy and productive, tender and sugary, and the best late variety for general use.—Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1169—Portland Market—An Oregon introduction, a very early, large eared sweet corn and very productive. Its large well-filled ears, together with its plump, sweet grains of purest white, makes it a most profitable home or market variety. Very popular with our market gardeners. Large pkt., 10c; ½ lb. 15c; lb. 30c; 10 lbs. \$2.75.

1170—Golden Giant. A cross between Burpee's Golden Bantam and Burpee's Howling Mob. It matures about a week later than Golden Bantam. Pkt., 10c; lb., 30c; 10 lb., \$2.50.

POP CORN

White Rice Pop Corn. Best variety for popping corn. For seed, per lb. 30c.

FIELD CORN

Write for our Prices per 100 lbs., on any kind
Field Varieties are grown for fodder and for ensilage in the Pacific Northwest more than for grain, but of recent years improved early varieties have given good results and splendid crops are reported from many sections where it was thought corn could not be grown.

1182—Pride of the North, or Yellow Dent—Recommended after repeated tests by the Agricultural College, as the best for Washington, Eastern Oregon and Idaho. A quick growing dent variety, thriving well where the Summers are not very long. Bright golden color. Lb., 15c; 10 lbs., \$1.00.

1183—Minnesota No. 13, Yellow Dent—A variety of great promise, being the earliest of the yellow dent corns and reported to be the heaviest yielding. Producing splendid large ears, closely filled from end to end with bright yellow kernels. Has rather a thick cob and the shelled grains have a tendency to irregularity. Minnesota No. 13 will average 7 feet high and being a

rapid, vigorous grower, with heavy foliage, makes a fine fodder corn. Will mature in 90 days under favorable conditions. Lb., 15c; 10 lbs., \$1.00.

1184—Golden Glow—Wisconsin No. 12 Cold Resistant Strain. Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. Prize winner for Wisconsin. Sixteen to twenty rows, deep kerneled, uniform type of early variety. 1 lb., 15c; 10 lbs., \$1.00.

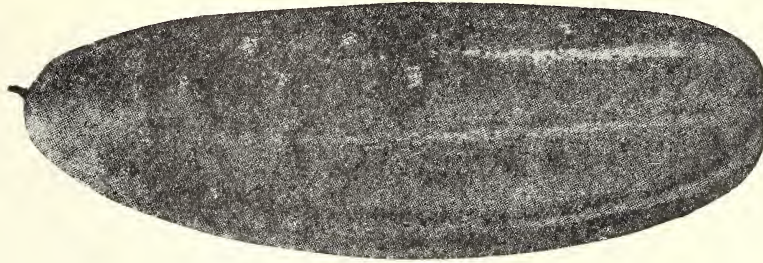
1185—Wisconsin White Dent—Wisconsin White Dent is a large, handsome White Dent, extremely early and matures perfectly, and is the best White Dent Corn for Washington and Oregon. Lb., 15c; 10 lbs., \$1.00.

Write for Prices on Larger Quantities.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

Cucumber

CULTURE — Cucumbers need a warm, rich soil, and should not be planted in open ground until weather is settled, as otherwise they will not thrive. Plant in hills four feet each way, thinning to three or four of the strongest plants



after danger from insects is passed. As fast as the cucumbers attain suitable size they should be taken from the vine, whether required for use or not, as their ripening soon destroys the vine's usefulness.

Improved White Spine

1200—Early Green Cluster. One of the extra early varieties. A great bearer; fruit small, dark green and borne in clusters of excellent quality. Pkt. 5c; oz., 15c; ¼-lb., 50c; lb., \$1.50.

1201—White Spine, Improved Early. A selection of improved White Spine. Earlier, more perfect in shape and more prolific; best slicing variety; splendid either for home garden or market. Pkt., 5c; oz., 15c; ¼-lb., 50c; lb., \$1.50.

1202—Arlington White Spine—One of the best sorts for table use. Vines vigorous, fruiting early and abundantly. Fruit uniformly straight, light, bright green in color, with a few white spines. Flesh crisp, tender and of excellent quality. Pkt., 5c; oz., 15c; ¼-lb., 50c; lb., \$1.50.

1203—Cool and Crisp—Extra early and very prolific; long, straight, slender and very dark green; good either for pickling or slicing. Pkt., 5c; oz., 20c; ¼-lb., 50c.

1204—Davis Perfect—Fine for forcing or for outdoors. The fruit is long and straight, and being a comparatively shy seeder, is very valuable for slicing. Pkt., 5c; oz., 15c; ¼-lb., 50c; lb., \$1.50.

1205—Japanese Climbing. Often used for ornamental purposes, as the vines are very vigorous, throwing out tendrils, enabling them to climb trellises admirably. Dark green fruit, quite large and very tender. Pkt., 5c; oz., 20c; ¼-lb., 60c.

1206—Improved Long Green—The leading large variety. Fruit from 10 to 12 inches long, dark green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles. We offer "Highest Quality" seed that will grow long and uniform fruit. Pkt., 5c; oz., 15c; ¼-lb., 50c; lb., \$1.50.

1207—Lemon Cucumber—This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor superior to and not found in any other cucumber. The Lemon Cucumber is so prolific that a single vine will be ample for the needs of the average family. It is also said that the Lemon Cucumber can be eaten without fear of the harmful results that some experience from eating cucumbers. Pkt. 10c; oz. 25c, ¼-lb., 75c; lb. \$2.50.

1208—Boston Pickling—A distinct variety, very popular for pickles; color bright green, a great producer and of excellent quality. It is for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season. Pkt., 5c; oz. 15c; ¼-lb. 50c; lb. \$1.50.

1209—Chicago or Westerfield Pickling—Fine for market gardeners. Medium length, pointed at each end; has large spines, deep green, very prolific. Good for pickling. Pkt., 5c; oz., 15c; ¼-lb., 50c; lb., \$1.50.

1215—DILL—Long Island Mammoth. The flower heads and seed are used in soups, stews and pickles; leaves have same flavor and can be used in like man-

ner. The flavor for cucumber dill pickles. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.25.



ENDIVE

CULTURE—This is a hardy vegetable, cultivated principally for a Winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

1225—Green Curled. Standard sort for Fall and Winter. Pkt. 5c; oz. 15c; ¼-lb. 50c.

1226—White Curled. A beautiful variety, with curled, mossy leaves, for early use. Pkt. 5c; oz. 15c; ¼-lb. 50c.

1227—Broad Leaved Batavian (Escarolle). Has broad thick leaves, which form a large, loose head. Pkt. 5c; oz. 15c; ¼-lb. 50c.

EGGPLANT

1220—New York Improved Spineless. Considered the best variety. Oval shaped, deep purple, large size and fine flavor. Pkt. 5c; oz. 70c.

Kale or Borecole

A species of Cabbage, forming a mass of leaves. The leaves are cooked as greens. Should be planted late, as the cold weather improves it. It is hardy and will withstand cold weather.

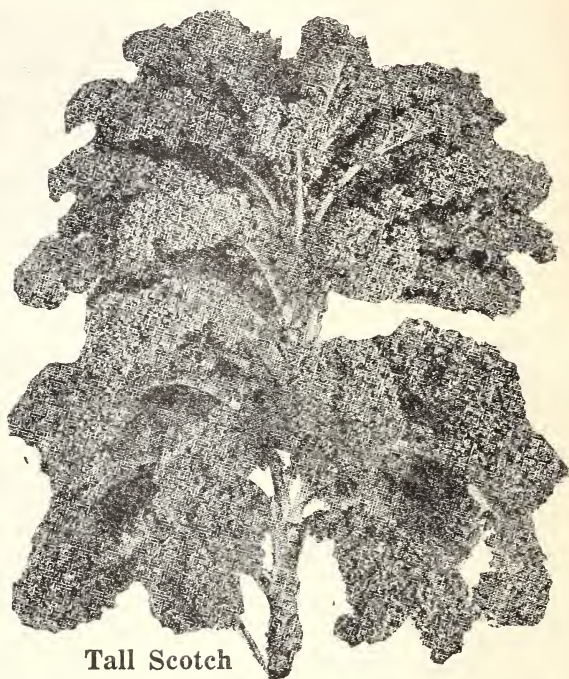
CULTURE—Seed should be sown thinly in drills, about the middle of June for the tall sorts; transplant the young plants twelve inches apart in rows three feet apart. Later in the season the dwarf sorts may be sown rather thickly in drills to furnish small heads to be cooked like spinach. One ounce to 100 feet of drill.

1230—Dwarf Green Curled Scotch. Noted for its extreme hardiness, dwarf, compact habit and extra fine curled leaves. Pkt. 5c; oz. 15c; ¼-lb. 30c; lb 90c.

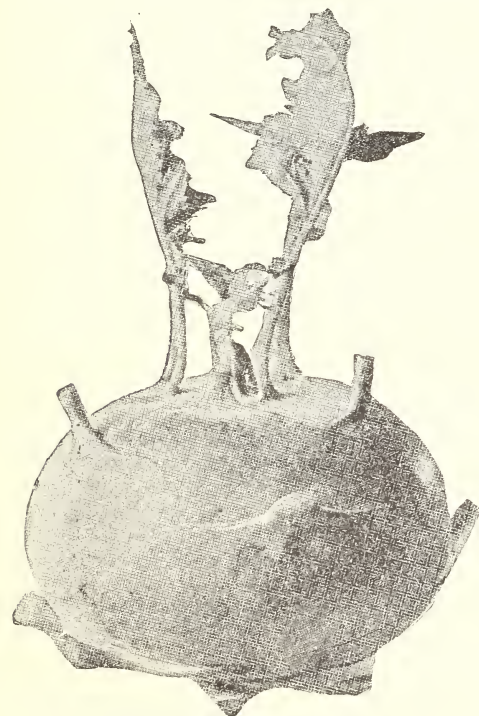
1231—Tall Green Curled Scotch. Heads are formed on stalks two and a half feet high. Color bright green and leaves are exceedingly curly. Pkt., 5c; oz., 15c; ¼-lb., 30c; lb., 90c.

Poultrymen should plant some of Tall Curled Scotch Kale for emergency caused by loss of 1000 head in extremely cold weather. The Scotch Kale is perfectly hardy in this state.

1232—Thousand Head Kale. Is almost indispensable as a green feed for stock and poultry through the winter. The plants are hardy and thrifty, producing a heavy tonnage per acre and may be left in the field until wanted for feed. It is an ideal feed for dairy cows. Quarter-pound will produce sufficient plants for one acre. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 60c.



Tall Scotch



Early White Vienna

KOHL RABI

Hardy and of easy culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and combines the flavor of both. The edible part is a turnip-shaped bulb formed by the swelling of the stem. Kohl Rabi is far superior to cabbage or turnips in the delicacy of its flavor, and is a splendid addition to every garden. It should be eaten before growth ceases.

1240—Early White Vienna. Very early; bulb white; best table variety. Pkt., 5c; oz., 25c; ¼-lb., 75c.

LEEK

The Leek belong to the Onion family. Prized for soups. Cultivation similar to that of Onions, but should be hilled up about the neck to blanch it.

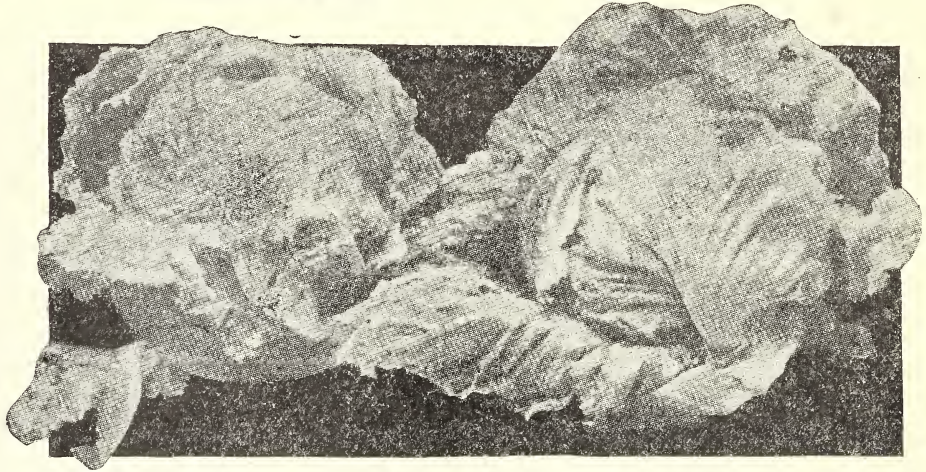
—1245 Large Rouen, or American Flag. A large favorite American sort. Pkt., 5c; oz., 30c; ¼-lb., \$1.00.

PLANET JR. DRILLS AND CULTIVATORS

A Planet Jr. Seeder will soon save enough seed to pay for itself; gives a better stand and makes cultivation easy. Saves time and money.

Lettuce

Lettuce, like many other vegetables, requires very rich soil, plenty of water, a cool growing season and intense culture to produce the best results. If the earliest varieties are planted out in the spring, and the weather turns dry and hot, they will run to seed without heading. The same seed sown in the Fall or with cooler weather would develop perfectly. At a temperature of 40 degrees or lower lettuce will not thrive. For outside planting sow the seed in shallow drills from one to two ounces to the 100 yards. An ounce will produce 3,000 plants. Four pounds should plant an acre. Lettuce matures in forty to sixty days from time of planting.



1254—New York, or Wonderful. This is the mammoth head lettuce so popular in California from whence it is shipped to the Northern markets, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanched to a creamy white with bright

Several hundred cars of this lettuce are grown and shipped from the Puyallup valley to Eastern cities every year and the seed we handle has been found to head better and with greater

green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. New York is a hardy, rapid grower, deep rooted and resistant to drought; a slow seeder and sure to head. Pkt., 5c; oz., 25c; ¼-lb., 75c; lb., \$2.00.

uniformity than any other strain sold. It is sold as Iceberg Lettuce on the eastern markets.

1250—Grand Rapids For Early Forcing. As a Lettuce for green house forcing this variety undoubtedly stands at the head of the list. Gives quick growth, and stands for some days after being cut. The plant is upright, and forms a loose head or cluster of large, light yellowish green leaves, slightly crimped and blistered, rather thin, good flavor, crisp and tender. It will stand shipping better than most curled sorts. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1251—Simpson's Early Curled. A leading market variety for very early planting and forcing. Forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1252—Black Seeded Simpson. Forms a close, compact mass of curly leaves of a yellowish green. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1253—Early Prize Head. Standard sort; one of the best thin leaved, clustering varieties. The very large leaves are savoyed or crimped, bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. One of the best for the garden, but not good to ship long distances. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1256—May King. A large growing, smooth leaved, richly flavored sort. Plant, light green, with round leaves, which form into a very solid, compact, round head; stands a long time without running to seed. Inner leaves blanch to a rich, golden yellow. Exceedingly rich, tender and buttery. Fine for open ground or forcing. For succession plant in Spring, then in August and again in September. Pkt., 5c; oz., 20c; ¼-lb., 60c; lb., \$2.00.

1257—Big Boston. This is a fine forcing variety for cold frames during the winter months, as it produces heads of very large size in a cooler temperature than most forcing strains. Large heads are beautifully blanched and of superior quality. It heads well in the

open ground during cool weather of spring and fall, and is very popular in the South to grow for shipping North. Our seed is an extra selected strain. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1258—Hanson. Grows to large size, and is uniformly sure of heading. Heads very solid and beautifully flushed, crisp, mild and tender. One of the finest varieties to grow for market during the summer months. Our stock is unexcelled. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1259—California Cream Butter. A fine large butter head lettuce of the richest flavor, tender, sweet and crisp; a great favorite in California, being a popular market variety, medium early. The heads are very broad, often measuring eight inches across and continue to grow for two or three weeks after they are ready for use, and are very slow to seed. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1260—Brown Dutch. Forms a large, solid head, sweet, tender and of good flavor. Outer leaves are tinged with brown. Very hardy. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1261—White Paris Cos or Romaine. A distinct variety, forming oblong, upright heads, largest near the top. It is hardy, tender and crisp, and does not run to seed as quickly as some other Cos varieties. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1262—Chicken. A rough, tall lettuce grown only to supply lots of chicken feed. Forms no heads. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1255—Iceberg. A beautiful lettuce. Large, curly leaves of bright, light green, with a very slight reddish tinge at the edges. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

NOTE—Use Dupont Semesan, the Seed Disinfectant—Better Crops and Germination.

MUSKMELONS

CULTURE—Muskmelons. Plant in hills 4 to 6 feet apart each way, after all danger of frost is past, and ground is warm. Enrich well with well rotted manure and plant the seeds just under the surface and not too deep. One ounce will plant fifty hills, two to three lbs. per acre. Melons thrive best on warm light soils, but good crops are obtained on most any good soil that is rich and properly drained. In cultivating hill up by drawing the soil toward the plant.

1265—Rocky Ford. One of the best salmon fleshed melons; rust resistant, good keeper and shipper. Pkt. 5c; oz. 20c; ¼-lb. 45c; lb. \$1.50.

1266—Osage or Miller's Cream. Cocoanut shaped; salmon flesh; dark green, netted skin. Pkt. 5c; oz. 20c; ¼-lb. 45c; lb. \$1.50.

WATERMELONS

CULTURE—Watermelons thrive best on light, well drained soils, but give good results on any good rich garden soil that is properly drained and cultivated. Plant after the weather is settled and the ground warm. Hills should be 8 feet apart each way and well rotted manure worked thoroughly into each hill. One ounce of seed will plant thirty hills, two to three lbs. per acre. Thin to two or three plants to each hill.

1270—Sweetheart. Oval, very large; bright skin; fine quality. Pkt., 5c; oz., 20c; ¼-lb., 45c; lb., \$1.25.

1271—Hungarian Honey. A very early sort; fine for northern latitudes; perfectly round; brilliant red flesh. Pkt., 5c; oz., 20c; ¼-lb., 45c; lb., \$1.25.

1272—Kleckley's Sweet, or Monte Cristo. Exceedingly sweet and fine flavored; dark green skin, thin rind; flesh scarlet. Solid and firm; long. Pkt., 5c; oz., 20c; ¼-lb., 45c; lb., \$1.25.

1273—Tom Watson. Produces melons 16 to 22 inches long and 8 to 10 inches in diameter. The dark green rind is thin, but tough; stands shipping well. Flesh is deep red, crisp and of finest flavor. Pkt., 5c; oz., 20c; ¼-lb., 45c; lb., \$1.25.

1275—Red Seed Citron. Pkt., 5c; oz., 20c; ¼-lb., 45c; lb., \$1.25.

MUSHROOM SPAWN

1283—LAMBERTS PURE CULTURE SPAWN

Mushrooms may be grown in any place where conditions of temperature and moisture are favorable. A shed, cellar or cave may be utilized to advantage for this purpose. It is essential that the temperature be maintained from 53 to 60 degrees F., and that the moisture be properly regulated. Lambert's pure Culture Spawn is

far superior to the old-style varieties, and much better results can be obtained from its use. The bricks should be broken into pieces about two inches square and planted from 10 inches to a foot apart. Bricks weigh from 18 to 24 ounces. A brick will spawn 10 square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms. Price, **per brick, 40c.**

MUSTARD

The leaves of mustard make excellent greens of sharp pungent flavor, and are cooked the same as spinach or beet leaves.

1280—Southern Giant Curled. Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges; hardy, vigorous, highly recommended. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

1281—White English. Light green variety; tender leaves; seed light yellow. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

1282—Ford Hook Fancy. The dark green leaves of this variety are more curled on the edges than any other sort, making most attractive greens. May be cooked and served like spinach. Pkt., 5c; oz., 15c; ¼-lb., 30c; lb., \$1.00.

OKRA OR GUMBO

1288—Dwarf Green Prolific. Short, thick pods. Pkt., 5c; oz., 10c; ¼-lb., 30c.

Onions

ONIONS FOR DRYING

1294—Yellow Globe Danvers. This is the type most widely known and used as a main crop variety. A very handsome, round or globe-shaped variety of large size, with thin, yellowish skin, white flesh, fine grained, mild, very firm, and the best of keepers. Ripens early. Pkt., 5c; oz. 25c; ¼-lb. 75c; lb. \$2.50.

1295—Flat Yellow Danvers. Same as Globe Danvers, except in shape. Pkt. 5c; oz. 25c; ¼-lb. 75c; lb. \$2.50.

1296—Prizetaker, The Genuine. Of fine flavor, handsome shape and enormous size. A perfect globe shape, with a bright straw-colored skin; the necks are very small and the onion always ripen up hard. Pkt., 5c; oz. 25c; ¼-lb. 80c; lb. \$2.75.

1297—Australian Brown. This onion resembles the Oregon Yellow Danvers in general appearance, but has a clear, amber-brown skin that attracts buyers. It matures early, ripens uniformly and will keep in good condition longer than any other onion. We offer the true seed. Pkt. 5c; oz. 25c; ¼-lb. 75c; lb. \$2.50.

1298—Large Red Wethersfield. A standard variety; one of the most productive kinds, even in poor soil. Its good keeping qualities render it one of the best for shipping. Pkt. 5c; oz. 25c; ¼-lb. 75c; lb. \$2.50.

Onion Sets—Bottom Onion Sets, yellow. Lb., 15c;

Bottom Multiplier Onion Sets. Lb., 15c.

GARLIC—Sets, 30c per lb.

BUNCHING ONIONS

CULTURE—Sow 2½ or 3 pounds of seed per acre, as early in the season as the ground can be put into proper condition, using some good fertilizer such as Pep-3-8-6 or manure supplemented with Bone Meal, Muriate of Potash, and in some cases Nitrate of Soda, the latter often being used after the plants are up, while the other fertilizers are worked into the soil before the seed is sown.

Thorough clean cultivation and thinning during the growing season is necessary.

In the Fall the tops of the Onions will naturally fall to the ground and shrivel up and the roots let go their grip on the soil, then the Onions should be lifted and allowed to dry off for a day or two before storing away. If the weather remains too wet to dry off in the fields, the Onions may be put under open sheds for a while where there is a good circulation of air.

In case the tops do not die naturally, they may be broken down and so cause the bulbs to ripen quicker but such Onions will not make good keeping bulbs, and should be disposed of as soon as possible.

To be sure of a good crop, sow none but the best seed—it may cost a little more than a cheaper grade of seed, but it is worth more than the difference in the price. One ounce will sow 100 feet of drill.

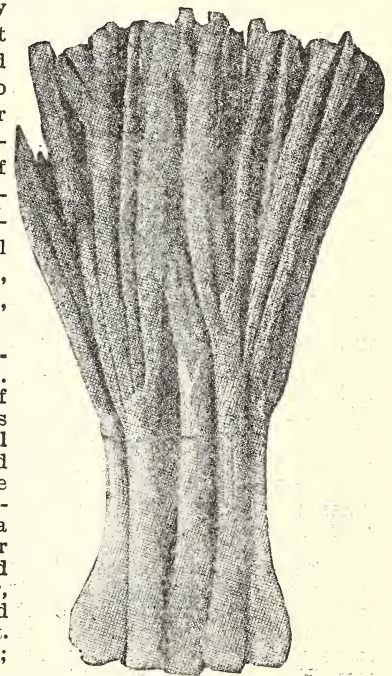
1292—White Globe. Yields abundantly and, as a table variety, its clear white color is exceptionally attractive. Pkt. 5c; oz. 30c; ¼-lb. 90c; lb. \$3.00.

1293—White Barletta. A small, pure white, mild onion; fine for pickles. Pkt., 5c; oz., 35c; ¼-lb., \$1.00; lb., \$3.50.

1290—Early White Queen. If sown thickly

produces small, very firm bulbs, the best of all for pickling, and is especially useful to market gardeners for producing an attractive "green onion." If given more room, matures an excellent onion, that will keep all winter. Pkt., 5c; oz., 30c; ¼-lb., \$1.00; lb., \$3.50.

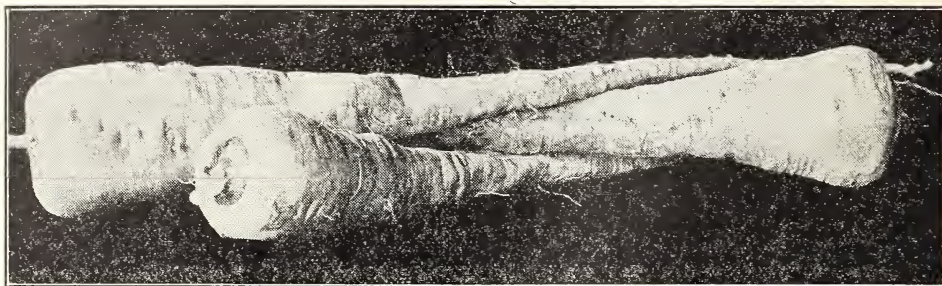
1291—White Portugal, or Silver Skin. This variety is one of the leading white sorts and is of beautiful shape and very mild flavor. The bulbs are flat in shape and mature early. It is a splendid variety for both family use and the market gardener, and also for its good keeping qualities. Pkt. 5c; oz. 30c; ¼-lb. 90c; lb. \$3.00.



Parsnips

CULTURE—The Parsnip is nutritious and wholesome, with a sugary sweetness peculiar to itself, and is desirable both for the table and stock feedings. It yields a large crop, and is said to be more valuable for dairy cows than either the carrot or turnip. As the seed germinates very slowly, sow as early in Spring as possible, in drills fifteen inches apart on deeply cultivated, rich, loamy soil. Keep clear of weeds and thin to three or four inches apart. The roots of the parsnip are improved by freezing.

1303—Guernsey, Half Long. Root white, very tender, with a smooth, clear skin. Shorter and thicker than "Hollow Crown." Desirable for stiff soils. Pkt., 5c; oz.,



10c; ¼-lb., 30c; lb., \$1.00.

1304—Hollow Crown or Long White. Root very long, white, smooth, tender, sugary, and of most excellent flavor. Very hard; will keep through the Winter without protection. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

PARSLEY

CULTURE—Parsley is very generally used for garnishing, and seasoning soups and stews. It can be used fresh from the garden, or dried and rubbed into a fine powder when it can be bottled for Winter use. It becomes finer and more beautifully curled if cut frequently. As the seed germinates slowly, it should be soaked a few hours in warm water, and sown in drills a foot apart and half an inch deep, as early in Spring as possible. Thin to three or four inches apart. Thrives best in deep, rich soil.

1301—Fine Triple Curled. Fine for seasoning; also good for table decoration. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

1302—Turnip-Rooted, or Hamburg. The root, which resembles a small turnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

PEPPER

CULTURE—Sow the seeds early in hotbeds, or later, when the weather becomes warm, in open beds; when two or three inches high, transplant to a warm, mellow soil, in rows eighteen inches apart and a foot apart in the row. Guano and hen manure are excellent fertilizers, and will greatly increase the yield.

1305—Large Bell or Bull Nose. A large, mild, thick-fleshed variety. One of the best for stuffed pickles. Pkt., 10c; oz., 65c.

1306—Long Red Cayenne. Brilliant, coral-red pods, three or four inches long, and a prolific bearer. Very pungent, and used very largely with pickles when green. Pkt., 10c; oz., 65c.

1307—Sweet Spanish or Mountain. Similar to the large Bell, but usually larger. Excellent for pickling and stuffing. Pkt., 10c; oz., 65c.

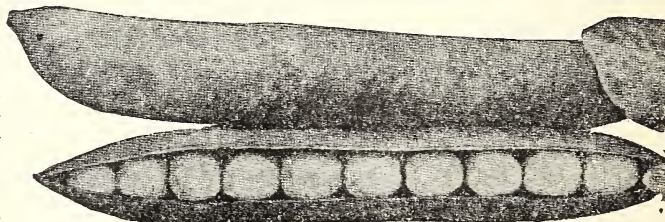
GARDEN PEAS

MAIN CROP VARIETIES

1325—Strategem. A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled and of good quality. It is planted in large quantities by gardeners for market. In quality it is unsurpassed, the peas when cooked being of the most delicious sweetness. Vines grow 18 inches to 2 feet high, and are very stocky. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1326—Dwarf Telephone. Of English origin and introduction. The striking features are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder or Little Gem, and are always well filled with large peas of most excellent quality. The vines are dwarf, strong and thrifty, making an ideal garden variety. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1327—Tall Telephone. This variety has now come into general use, and is acknowledged to be of great merit. It is immensely productive, of the finest quality and excellent, sugar flavor; vines strong, the pods are of large size, filled with large, luscious peas; height four feet. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.



1328—Champion of England. A most popular and extremely productive pea, which has been valued for many years as the standard variety. Vines are of strong growth and very productive of large, well-filled pods. The flavor of the peas is delicious. Height, 5 feet. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1329—Mammoth Melting Sugar. Grows 4 feet tall, producing very large broad flattened pods. A great favorite with many. In the Edible-Podded or Sugar Peas the pods are gathered, broken and cooked like string beans when the peas start to develop in the pod or have reached about half their full size. Pkt., 10c; lb., 35c; 10 lbs., \$3.25.

Early Dwarf Peas

Garden Peas are one of the most important crops, and we have spared no effort to select and improve the best strains of the most profitable and satisfactory varieties. These selected strains will give you the biggest yield and the handsomest, sweetest, best flavored Peas for the early market or home garden. The varieties offered have proved by growing tests to be the best of their kind and class. **Selected Hand Picked.** When ordering Peas to be forwarded by mail add postage.

CULTURE—Peas can be grown in every garden, but for the earliest varieties a light, warm, moderately rich soil is most suitable. The smooth kinds can be sown as soon as the ground can be worked, but the wrinkled varieties should not be planted till it is warmer, or they will rot. Sow in single or double rows from 1½ to 3 inches apart, dropping a pea every inch and covering from 2 to 3 inches deep. For a succession sow every ten days up to July. Sow one lb. to 100 ft. drilled. Many planters sow one hundred pounds of seed per acre, but fifty pounds of seed per acre drilled in rows and well cultivated will produce larger pods and more peas per acre; besides, there will be less mildew.

1315—Alaska, or Earliest of All. By careful selection and growing we have developed a stock of this smooth pea of unequalled evenness in growth of vine and early maturity of pods which are filled with medium sized, bright green peas of good flavor. Vines two and one-half to three feet high. Seed small, and bluish-green in color. Matures all the crop at once and is an invaluable variety for market gardeners and canners. Pkt., 10c; lb., 25c; 10 lbs., \$2.25.

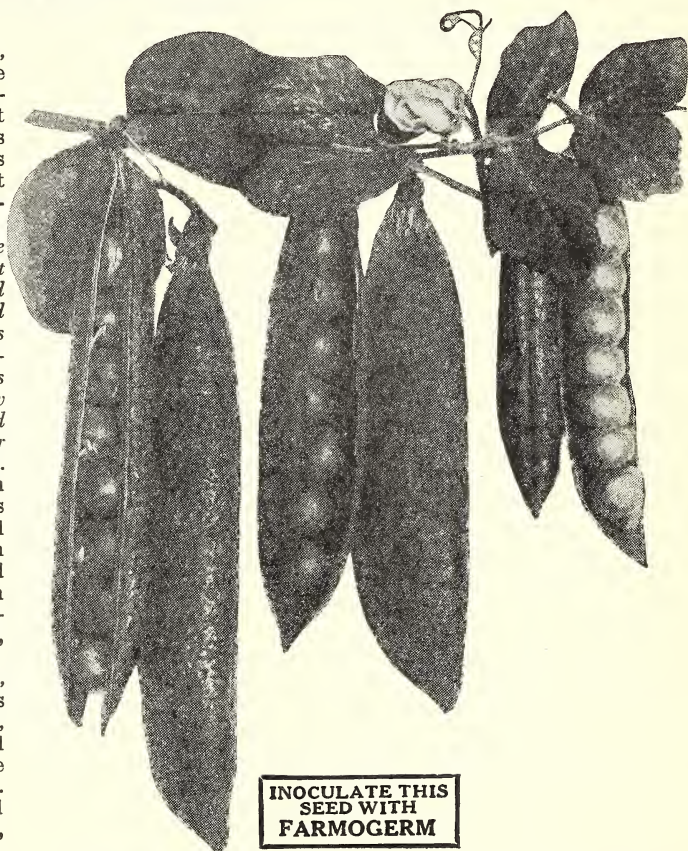
1316—American Wonder. The earliest of the dwarf, wrinkled varieties, vines branching, about ten inches high and covered with well filled pods of medium size, containing five to eight large, exceedingly sweet and well flavored peas. A great favorite for planting in the small garden on account of its short, compact growth. We have taken great pains in selecting our stock and know it to be much better than that usually sold. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1317—McLean's Little Gem. The vines are of dwarf growth and produce an abundance of round well filled pods of good size, about three inches long, only a few days after the American Wonder. The peas are green, wrinkled, of sweet, delicious flavor and excellent quality. One of the best for family use. It remains fit for use longer than the American Wonder and Nott's Excelsior, and thought by many to be sweeter. Height, 15 to 18 inches. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.

1318—Nott's Excelsior. A deservedly popular variety; an enormous yield, and of the very choicest flavor, pods well filled with six to eight peas, packed very closely together; valued highly for the home garden, and for all-round excellence is second to none; 15 inches high. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1319—Little Marvel. A splendid new dwarf pea, for home or market. The dwarf, bushy vines averaging 15 inches are loaded with firm, square-ended pods 2½ to 3 inches long, tightly filled with plump, luscious, deep green peas. Little Marvel is as early as American Wonder, and far outyields these two popular sorts. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

With vegetables at such high prices why not plant more of a garden? What is your back yard worth to you?



INOCULATE THIS
SEED WITH
FARMOGERM

1320—Gradus. This extra early, wrinkled pea bears pods of large size and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; growth, vigorous and healthy; vines 2½ feet in height; very prolific. The quality and flavor are delicious and the peas remain tender and sweet for a long time. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.

1321—Laxtonian. A new, early, dwarf, robust, large podded pea of superior excellence; often referred to as "Dwarf Gradus," and is said to surpass Gradus in yield and quality, with the added advantage of dwarfed growth, averaging 16 inches. The large pods are well filled, holding 8 to 10 peas. Laxtonian is so highly recommended that you should give it a trial. In the past two or three years has proven one of the best varieties for early market in the Gig Harbor and Peninsula district. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

1322—Thomas Laxton. A cross between Gradus and one of the extra-early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain seven or eight large, wrinkled peas of the finest flavor. Height 3 feet. Pkt., 10c; lb., 35c; 10 lbs., \$3.25.

1323—Blue Bantam—Crop failure.

"Ask yourself about any crop 'Does it grow it's seeds in pods?'" if so, inoculate with FARMOGERM. See page 1

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

Pooles Selected Seed Potatoes

It is our aim, when possible to carry a complete stock of "Certified Seed Potatoes" in the varieties known by us thru our years of experience, to be adapted to our climate and soil conditions.

Conditions that we cannot control have made it impossible for us to have all of our stock "Certified" this year, and we are unable at this time to give a list of those that are certified. We will be glad to quote prices on Certified stock upon application.

Our stock of Standard Seed Potatoes are all U. S. No 1 Standard, and you will find them to be true to name, clean and practically free from disease.

NOTE—Regardless of how clean your seed potatoes are, it pays to disinfect them with DUPONT SEMESAN before planting. WRITE FOR BOOKLET ON CONTROLLING POTATOE DISEASES. See page 67.

"EARLIEST OF ALL"

1334—Can Be Had Ready for Cooking 9 Weeks From Planting. Mature in 12 Weeks. Originally a selection from Early Eureka, showing a marked difference in habit and greatly increased yield which years of careful re-selection have firmly fixed and improved. "Earliest of All" is a shallow eyed, white skinned variety of vigorous growth and does not make a second growth. The tubers are smoother and have fewer eyes than other varieties of this type. The white blossoms also easily distinguish it from Irish Cobbler, which has a purple bloom. Not affected by summer drouths owing to its quick growth and early maturity. A good keeper. The earliest of all early potatoes. An ideal forcing potato for market gardeners. Potato prices quoted on application.

1335—Early Rose. Strong vigorous vines of medium height. Flowers white, rather abundant. Tubers quite smooth, elongated, or oblong, stem and seed end rather blunt. Eyes shallow, but sharp and strongly marked; skin thin but tough. Flesh creamy white sometimes streaked with red, solid and brittle, rarely hollow. Our strain of this grand "old timer" is exceptionally good. Potato prices on application.

1336—Beauty of Hebron Slightly flesh colored skin, with pure white flesh. Very productive and of the finest quality; a first-class variety. A popular potato with the home gardner. Potato prices on application.

NO WARRANTY

NOTE—While we exercise the greatest care to have all Seeds pure and reliable, and all Bulbs, Plants and Nursery Stock true to name, we do not give any warranty, express or implied, and will not be in any way

1337—Pride of Multnomah. Tubers are uniform in size, of the ideal elongated type with smooth, thin white skin; eyes shallow; flesh snow white, of finest table quality; flowers white; vines medium large of bushy growth; withstands drought; and is blight and disease resistant to a remarkable degree. Potato prices on application.

1338—American Wonder. One of the earliest and best main crop varieties. Strong grower of branching habit and great producer. Tubers white, large and uniform in size; elongated and slightly compressed. Blooms white; foliage rich dark green. Our stock is of exceptional quality, selected to our standard. Potato prices on application.

1340—Burbank. A standard commercial variety. Late and very productive. Skin nearly smooth. Eyes rather shallow. Tubers long and slightly flattened. Under proper selection it thrives equally as well now as at any time since its introduction. We offer a select true heavy yielding strain. Rogued to our standard of type and free from disease. Potato Prices on application.

Prices on Potatoes are very uncertain and they may have to be advanced as the season approaches, and are subject to change without notice.

1339—Netted Gem. A splendid main crop potato that medium sized with russet netted skin; flesh white; eyes are flush with surface; good keeper and produces a fine yield. This is the variety grown extensively by irrigation in Washington and Idaho for baking. Our stock is extra choice of the most improved type. Potato prices on application.

responsible for the crop. If the purchaser does not accept the goods on these terms and conditions, they must be returned at once, and the money that has been paid for the same will be refunded.—POOLE'S SEED & IMPLEMENT CO.

PUMPKIN

CULTURE—May be planted middle of Spring, in hills 8 to 10 feet apart each way, four seeds in a hill. In other respects is cultivated in same manner as cucumbers. Avoid planting near other vines. One pound seed will plant 300 hills.

1345—Sweet, or Sugar. A handsome and productive small pumpkin, ten to twelve inches in diameter; round flattened; skin, orange; flesh, deep yellow; fine grained and very sweet. Pkt., 5c; oz., 15c; ¼-lb., 30c; lb., \$1.00.

1346—Winter Luxury. The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size; color, golden-russet, finely netted; flesh, deep golden, sweet, tender and very thick; none better. Pkt.

5c; oz., 15c; ¼-lb., 30c; lb., \$1.25.

1347—Large Yellow, or Connecticut Field. Large, round; deep glossy yellow. Vines vigorous and very productive; good keeper. Grown extensively for stock feeding. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

1348—Mammoth Tours. A productive French variety; grows to an enormous size. Pkt., 5c; oz., 15c; ¼-lb., 40c; lb., \$1.25.

1349—Large Cheese. Of large size, shape flat like a cheese box; very productive. Pkt., 10c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

WE PAY POSTAGE ON ALL VEGETABLE SEEDS EXCEPTING PEAS, BEANS, CORN AND ONION SETS

Radishes

CULTURE—Sow as soon as the ground is dry in the Spring, in rows 8 to 12 inches apart, every week or ten days for a succession, up to the middle of June, after which they are but little used, unless a cool northern spot can be had, where the ground is shaded during part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow

8 to 10 lbs. to the acre. Radishes should be eaten quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts. In home garden sow early varieties two-thirds oz. to 100 ft. of drill every two weeks for a succession of crisp, solid radishes.

1355—Early Scarlet Turnip (White Tipped) Poole's Selected stock. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with a white tip and is a high class strain for outdoor planting. It combines beautiful appearance with finest radish quality, appealing to the eye and palate. The exceptional merit of this radish is proved by its increasing popularity every year with successful market gardeners who rely on the quality of Poole's seeds. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c.

1362—Chartier. Roots are red with a white tip, slender, and remain solid and crisp until of large size. Pkt. 5c; oz. 10c; ¼-lb. 35c; lb. \$1.25.

1356—Early Scarlet Turnip. One of the standard sorts for general sowing. Roots are turnip shaped, dark red and of fine quality. Pkt., 5c; oz., 10c; ½-lb., 30c lb., 90c.

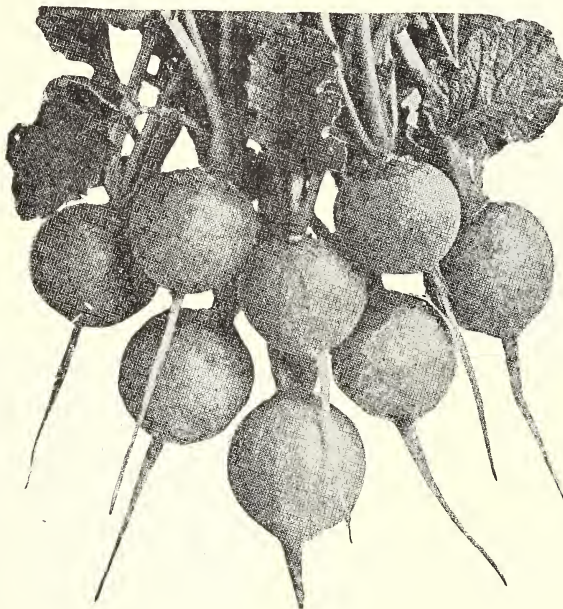
1357—Deep Scarlet Forcing. Popular everywhere, either for forcing or outside sowing. Its brilliant color, uniform shapes, and crisp, white flesh make it a favorite with all. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.25.

1358—Crimson Giant, or Giant Butter. Desirable for forcing or outdoor planting. Will produce Radishes nearly twice the size of other red forcing varieties and, in spite of their large size, will retain their crispness and solidity. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.25.

1359—Round Scarlet China. Fine for winter or summer. Matures in 6 to 8 weeks. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.25.

1360—French Breakfast. This well known radish is olive shaped, bright scarlet with the exception of the white tip. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., 90c.

1361—Early Long Scarlet, Short Top. This bright scarlet, small topped sort is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private gardens or market use. Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., 90c.



1363—China Rose Winter. One of the best Fall and Winter varieties; a favorite with market gardeners; bright rose color; flesh white, firm and of superior quality. Pkt. 5c; oz. 10c; ¼-lb. 35c; lb. \$1.25.

1364—Lady Finger or White Vienna. Of rapid growth and beautiful shape. Skin and flesh snow-white; very juicy, firm, crisp and tender; the finest of long white radishes. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. \$1.00.

1365—Icicle. One of the earliest and purest of all long, white varieties. For crispness and tenderness it is unsurpassed. This radish is not only crisp and tender when young but retains these qualities until the roots attain large size; is excellently adapted to forcing purposes or successive sowings in open ground for table or market throughout the season. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. \$1.00.

1366—White Strasburg. One of the best large Summer sorts. It covers a long season, as it is good when quite small. The roots are long, very white, crisp and tender. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.25.

1367—Black Spanish Long. Standard Winter sort; has good flavor and keeps well. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.25.

1368—Black Spanish Round. Same as long, except shape. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.25.

1369—Chinese White Winter, or Celestial (California Mammoth White Winter.) The well-known and popular winter variety. The half stump-roots are clear white and the flesh is the most crystalline of all winter varieties. Roots may be used all winter long as they keep in fine condition. Makes a most palatable dish when cooked and served like turnips. Pkt., 5c; oz., 20c; ¼-lb., 60c; lb., \$1.75.

RHUBARB OR PIE PLANT

1370—Victoria or Mammoth. Very large; finest cooking variety. Pkt. 5c; oz. 30c; ¼-lb. \$1.00; lb. \$3.00.
Fine Roots in season—Write for prices.

Spinach



An easily grown plant, the seed of which may be planted in the fall to secure good Spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be. As a field-crop for the market-garden use 8 pounds of seed per acre; for the home-garden use one ounce for 100 feet of row. For Fall use, sow in August, and for Winter crop in September. Cover that which is left out over Winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds.

1384—Prickly, or Winter. Vigorous and hardy; recommended for Fall sowing. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 60c.

1385—New Zealand Summer. Not a Spinach, but used as such. Grows 1½ feet high and is very prolific; does well in hot summer weather; valuable for hot climates. Soak the seed in hot water before using. Sow the seed of New Zealand in hills 2 feet apart each way, three or four seeds in a hill. Pkt., 5c; oz., 10c; ¼-lb., 25c; lb., 75c.

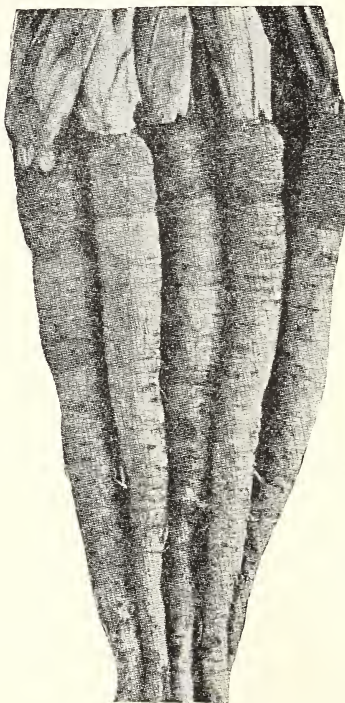
1386—Savoy Leaved—Bloomsdale—Very early; of upright growth; leaves pointed. Plant in the Autumn for Spring use; grows quickly. Pkt., 10c; ¼-lb., 25c; lb., 75c.

1380—King of Denmark. Undoubtedly the most valuable of new introductions of early sorts, remaining in good condition from one to two weeks after other varieties have gone to seed. Plants are of rapid growth, leaves thick and stand well after cutting. Of good quality. Sure to win favor with both home and market gardener. Pkt., 10c; oz., 15c; ¼-lb., 35c; lb., \$1.00.

1381—Long-Standing (Round Thick-Leaved). Dark Green; leaves large and thick; very long-standing. Best for Spring growing. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 60c.

1382—Victoria. Extra-dark, black-green color. Two or three weeks later than the ordinary "Long-standing." A fine variety for Spring sowing. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 60c.

1383—Round Viroflay (Thick-leaved) Has very large thick, dark green leaves; the favorite market-gardener's sort for Fall or Spring sowing. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 75c.



SALSIFY Oyster Plant

The roots are long and tapering; when cooked has a flavor like oysters. If more people knew how many fine dishes are made out of Salsify Roots it would be much more extensively planted. Same culture as carrots. Roots good all Winter.

1375—Mammoth Sandwich Island. The best variety of Salsify, being very smooth, of fine quality, pure white and extra large size. Pkt., 5c; oz., 25c; ¼-lb., 75c; lb., \$2.50.

SUNFLOWER

Sunflower, Mammoth Russian. The largest and most productive variety. Grown extensively for silage for cattle and is proving of immense value. The seed is a valuable poultry food, a great egg producer. Per lb. 25c.

Squash

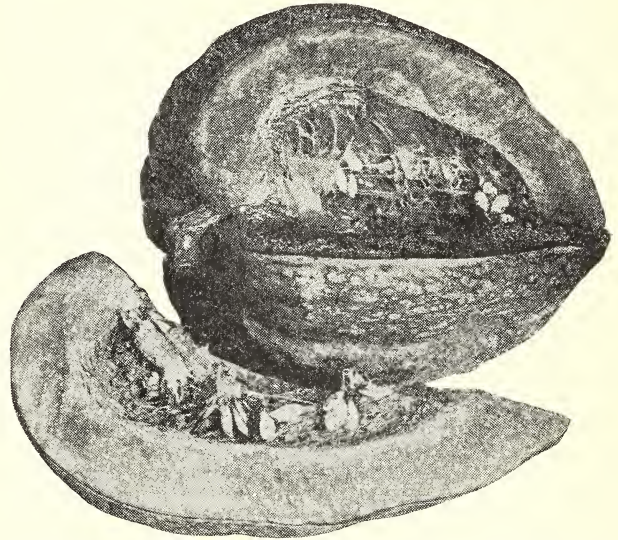
CULTURE—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The Summer varieties should be planted four to six feet apart each way and the winter sorts eight to ten feet. Three plants are sufficient to a hill.

1397—Mammoth Summer Crookneck. Early, prolific, flesh tender and of good quality. Twice as large as the ordinary Crookneck and several days earlier. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1398—Banana Squash. Grows from one to two feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color. Resists heat of the sun better than the Hubbard and because of its excellent flavor and splendid keeping qualities, remaining in good condition from one season to another, is already superseding that variety in many localities. Pkt., 10c; oz., 25c; ¼-lb., 80c; lb., \$2.50.

1399—True Hubbard. The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Keeps perfectly through the winter. Pkt., 5c; oz., 15c; ¼-lb., 40c; lb., \$1.25.

1400—Golden Hubbard. The same in size, shape and quality as the well-known Hubbard Squash, except that it is a bright red or golden color, and somewhat earlier. It is also a long keeper. One of the very best fall and winter sorts yet introduced. Maturing before the frosts; is vigorous and wonderfully productive. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.



1395—Early White Bush Scallop. The best summer sort for the market; very productive and of good size. Pkt., 5c; oz., 15c; ¼-lb., 40c; lb., \$1.25.

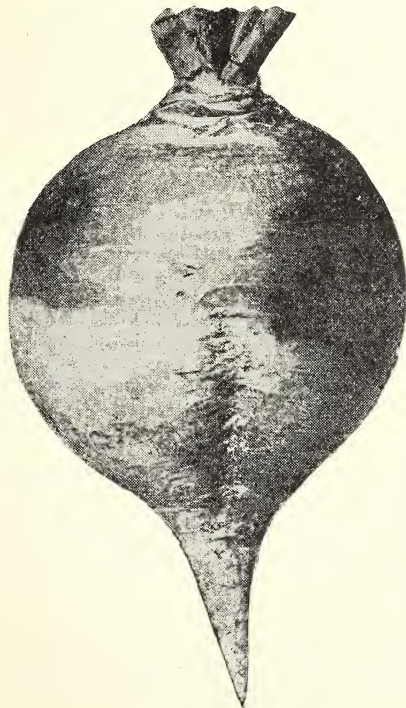
1396—Early Yellow Bush Scallop. An early; flat, scallop-shaped variety; color, yellow; flesh, pale yellow and well flavored; very productive. Pkt., 5c; oz., 15c; ¼-lb., 40c; lb., \$1.25.

1402—Mammoth Chili. The largest of all Squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.

1403—Boston Marrow. Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor. Pkt., 5c; oz., 15c; ¼-lb., 40c; lb., \$1.25.

1404—English Vegetable Marrow. Oblong, dull, yellow skin, very prolific and of finest table quality. Pkt., 5c; oz., 20c; ¼-lb., 50c; lb., \$1.75.

1406—Essex Hybrid. A good fall and winter sort; fine-grained; rich flavor; very prolific. Pkt., 5c; oz., 15c; ¼-lb., 45c; lb., \$1.50.



RUTABAGA Swede Turnip

Rutabaga or Swede Turnip. These are grown usually for stock-feeding and make an excellent and valuable crop. Treatment same as for winter Turnips, but require a longer season to grow. The seed should be planted early in July in rows at least 2½ feet apart and the plants thinned to 8 to 12 inches apart.

1430—Improved American Purple Top. The leading standard variety, being very distinct in type, attaining a wonderfully large size; immense yielder. The flesh is very firm, superior in every way, valuable alike for all purposes. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c.

1431—White Sweet Russian. This variety is most excellent, either for table or stock; it grows to a very large size; flesh white; solid, of a firm texture, sweet and rich; an excellent keeper. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c.

Turnips

CULTURE—Turnips grown quickly so that they are tender, make a delicious vegetable. The home-gardener can give them easily that extra care needed to bring them to perfection. The requirements are for a rapid, uninterrupted growth, and for moist, well-worked soil. In Alaska Turnips reach perfection, and all over our coast they are excellent. Sow in early spring and again in August. This latter gives roots for winter. Put the rows 12 to 18 inches apart, and thin to 5 to 8 inches. Do not transplant except when very young and that should not be necessary. One ounce of seed sows 250 feet of row.

1432—Early Purple Top Milan. This variety is ready for the table sooner after planting than any other yet introduced. Top small, erect, strap-leaved; bulb a deep purple above, white underneath; flesh white, firm and delicate. Pkt. 5c; oz. 15c; $\frac{1}{4}$ -lb. 40c; lb. \$1.25.

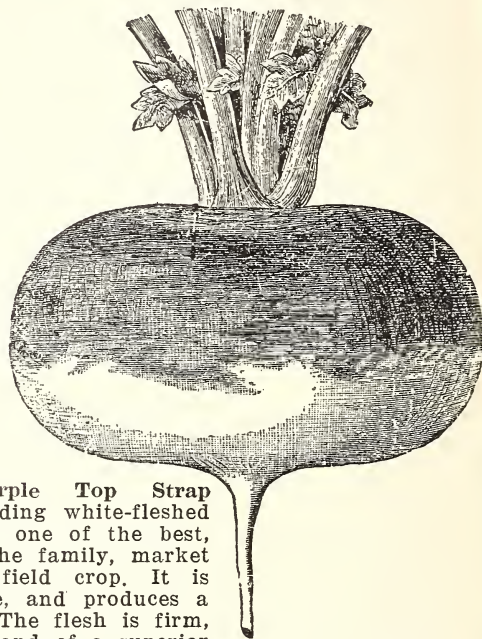
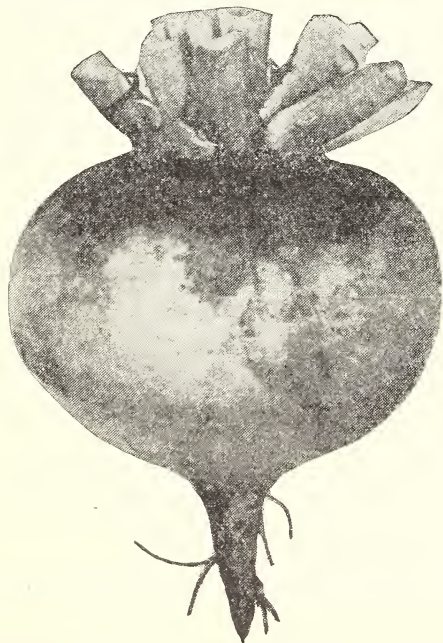
1433—Early White Milan. Same as Purple Top Milan, but pure white, sweet and tender; best early market variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ -lb. 40c; lb. \$1.25.

1434—Early White Flat Dutch. One of the very best and most universally grown. Small, erect top, round, flat; flesh, white, firm, but very tender and sweet. Of quick growth, it is soon ready for the table and keeps well. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

1436—Early Snowball. Early round turnip, maturing in seven weeks, is of perfect form, snowy whiteness, crisp, solid and of fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

USE A PLANET JR. SEEDER AND CULTIVATOR. SAVES THE BACK.

1442—Golden Ball. Undoubtedly one of the most delicate and sweetest yellow-fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well and is superior as a table variety. It is extensively used by market gardeners. Pkt., 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.



1435—Purple Top Strap Leaf. A leading white-fleshed variety, and one of the best, either for the family, market garden or field crop. It is medium size, and produces a large crop. The flesh is firm, but tender, and of a superior rich buttery flavor. A good keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

1437—White Egg. Is perfectly smooth, of a pure, clear white, growing half out of the ground, and at times to the size of a rutabaga, being a very choice kind for table use; of excellent flavor, sweet and mild. Pulls clean from the ground; thin, snow-white skin. Pkt., 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

1438—Purple Top White Globe. A large, globe-shaped variety; purple above the ground; it is handsome and of excellent quality, and recommended both for the family garden and field crop. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

1439—Pomeranian White Globe. One of the most productive kinds and in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape; skin white and smooth; leaves dark green and of strong growth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

1440—Cowhorn. Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. It is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Washington, as it is an immense yielder. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb. 90c.

1441—Yellow Aberdeen. Round, medium size; light yellow. Produces a large crop; is hardy and keeps well; flesh very firm but tender and sweet. A great favorite with the dairymen. Pkt. 5c; oz. 10c; $\frac{1}{4}$ -lb. 30c; lb., 90c.

Tomatoes

CULTURE—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Fruit may be used several weeks earlier by sowing seed quite early and transplanting to small pots. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty cold frames, or wrapped in tissue paper, and carefully packed in flat boxes—where a large proportion of them will ripen from time to time, frequently until Christmas.

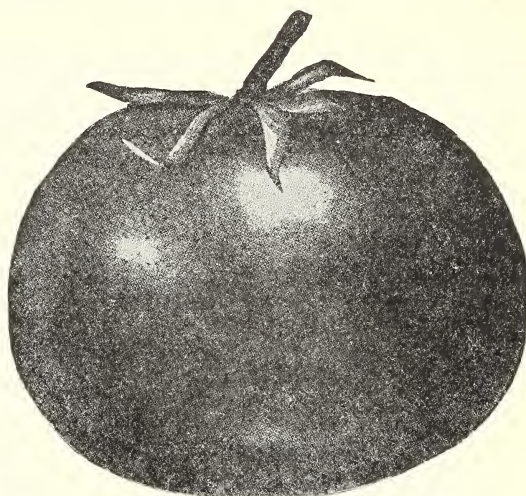
1415—Spark's Earliana. The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color and of fine quality. Very valuable for early market use. Pkt., 5c; oz., 40c; $\frac{1}{4}$ -lb., \$1.25.

1416—Bonnie Best. An early scarlet fruited Tomato. It is smooth, very even in size, very solid and also very prolific. Price Pkt., 5c; oz., 40c; $\frac{1}{4}$ -lb., \$1.25.

1417—Chalk's Early Jewel. Large, bright red, smooth, round fruits, very deep and colored evenly up to the stem; very solid, almost seedless and of the finest flavor. Vines are vigorous, not subject to blight, and yield fully equal to, or better than, Earliana. Pkt., 5c; oz., 40c; $\frac{1}{4}$ -lb., \$1.25.

1418—John Baer. This variety is the result of fifteen generations of breeding; it produces perfect, solid, high crown, brilliant red tomatoes. They ripen ten days after Earliana, bearing 50 to 100 fruits per plant. The flavor is deliciously sweet. The plant will stand plenty of fertilizer without going to vine. Keeps well; is a good shipper; a prolific, continuous bearer, and has the unusual and remarkable feature of being easily peeled, the skin slipping readily from the rich, firm flesh. Resistant to wilt and other diseases. Pkt., 5c; oz., 50c; $\frac{1}{4}$ -lb., \$1.50.

1419—Stone. A large tomato of good quality; round or apple shaped, and very uniform, deep red in color, and exceedingly heavy. Pkt., 5c; oz., 40c; $\frac{1}{4}$ -lb., \$1.25.



1420—Dwarf Champion or Tree Tomato. Vines erect and vigorous; fruit of medium size, round, smooth, of excellent quality, very fleshy; approaching purple in color. Pkt., 5c; oz., 40c; $\frac{1}{4}$ -lb., \$1.25.

1422—Ground Cherry, or Husk Tomato. Grows to great perfection under ordinary culture, yielding abundantly; very much prized for preserving; should be in every garden. Pkt., 10c; oz., 75c.

1423—Yellow Pear. A small pear-shaped tomato, borne in great profusion, vine literally covered with large clusters of fine, solid fruits; excellent for preserving, and for use in salads and cooking is superior, as flesh is not watery. Very hardy. Pkt., 10c; oz., 75c.

TOMATO PLANTS

Standard varieties for seasonable delivery—Fine, healthy transplanted and pot grown plants. Safely packed and shipped to any point in the Northwest. Write for prices on any amount.

HERBS

1500—Anisc. Seeds aromatic and carminative. Pkt., 5c; oz., 50c.

1501—Balm. For culinary purposes. Pkt., 10c; oz., 60c.

1502—Basil. For flavoring soups. Pkt., 5c; oz., 50c.

1503—Borage. Leaves used as a salad. Pkt., 5c; oz., 50c.

1504—Caraway. For sowing. Used in flavoring bread and liquors. Pkt., 5c; oz., 25c.

1505—Catnip. Has medicinal qualities. Pkt., 10c; oz., \$1.40.

1506—Coriander. Seeds aromatic. For sowing. Pkt., 5c; oz., 25c.

1515—Dill. For sowing. Seeds used for flavoring vinegar. Pkt., 5c; oz., 25c; $\frac{1}{4}$ -lb., 75c.

1507—Fennel, Sweet. Seeds aromatic; for flavoring. Pkt., 5c; oz., 30c.

1508—Horehound. Has medicinal qualities. Pkt., 10c; oz., 75c.

1509—Lavender. True. For oil and distilled water. Pkt., 10c; oz., 70c.

1510—Marjoram, Sweet. Is used in seasoning. Pkt., 10c; oz., 75c.

1511—Rosemary. Yields an aromatic oil and water. Pkt., 10c; oz., \$1.00.

1512—Rue Said to have medicinal qualities. Pkt., 10c; oz., \$1.00.

1513—Sage, Broad-Leaf. A culinary herb; also used in medicine. Pkt., 10c; oz., 75c.

1514—Savory, Summer. Is used as a culinary herb. Pkt., 10c; oz., 75c.

1516—Tansy. Generally used in bitters. Pkt., 10c.

1517—Thyme, French. Is used as a seasoning. Pkt., 10c; oz., \$1.25.

1518—Wormwood. Has medicinal qualities. Pkt., 10c; oz., 65c.

TOBACCO

Sow the seed thinly in beds, as early as they can be well prepared. Cultivate thoroughly, transplanting when six inches high to rows four feet apart each way.

1410—Connecticut Seed Leaf. Hardy, and the best adapted to cool localities, and for general use. Pkt., 10c; oz., 75c.

1411—Havana. Of fine texture and delicate flavor. Pkt., 10c; oz., 75c.

Popular Annual Bedding Plants

Annual bedding plants are so inexpensive and satisfactory that they should be planted extensively for cut flowers in the home as well as for garden effects. They also make splendid displays in tubs and borch boxes.

We have an early delivery of fine large plants that can be set as soon as weather permits and with little care will bloom freely throughout the season. Prices are per dozen, f. o. b. Tacoma.

Price Per Doz.		Price Per Doz.		Price Per Doz.		Price Per Doz.	
Alyssum	-----\$0.50	Clarkia	-----\$0.50	Larkspur	-----\$0.50	Pinks	-----\$0.50
Asters	----- .50	Cosmos	----- .50	Lobelia	----- .50	Salpiglossis	----- .50
Carnations	----- 1.00	English Daisies	----- .50	Marigold	----- .50	Salvia	----- 70
Calliopsis	----- .50	Forget-Me-Not	----- .50	Mignonette	----- .50	Stocks	----- .50
Candytuft	----- .50	Geraniums	----- 3.50	Petunia	----- .50	Verbena	----- .50
Centaurea	----- .50	Heliotrope	----- .75	Phlox	----- .50	Zinnias	----- .60

Plant Annuals in the bulb beds. After the bulbs are through blooming they should be allowed to grow until late summer, and the beds can be made very attractive with annual flowering plants without disturbing the bulbs. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas and Candytuft are among the best.

Classification of Flower Seeds for Special Purposes

This page is intended to aid you in the selection of your seeds that you may have flowers all the year round, and for every purpose.

It will always be a pleasure for us to consult with you at any time regarding your individual garden problems.

Annual Bedding Plants or Tall Border Plants 1 to 2 feet

Ageratum, Tall...blue, white or mixed
 Asters...various colors
 Balsam...various colors
 Brachycome...blue, white, rose
 Calendula...mixed
 Candytuft...various colors
 Celosia...crimson
 Centaurea...yellow, rose
 Chrysanthemum...yellow, white, gold
 Clarkia...pink, scarlet
 Eschscholtzia...crimson, white, yellow
 Four O'clock...various colors
 Gaillardia...orange, scarlet
 Godetia...variegated rose and white
 Gypsophila (for bouquets)...white
 Linum (scarlet flax)...scarlet
 Marigold...yellow, red, brown, and variegated
 Mignonette...white, yellow, red
 Nasturtium, dwarf...various colors
 Nigella (Love in a mist) mixed colors
 Petunia...various colors
 Poppy...various colors
 Phlox...various colors
 Scabiosa...white, lilac, carmine and maroon
 Schizanthus...various colors
 Salvia...scarlet
 Stock (10 weeks)...all colors
 Zinnia...various colors

Everlasting Flowers

Acroclinium...all colors
 Helichrysum...various shades
 Statice...white, blue and yellow

Tall Growing Plants for Grouping—Annual, From 2½ feet up

Amaranthus...scarlet
 Calliopsis...yellow, brown, maroon
 Castor Bean...white, red, pink
 Cosmos...white, red, pink
 Euphorbia...various colors
 Kochia...various colors
 Larkspur...various colors
 Nicotiana...white
 Rudbeckia...yellow

Salpiglossis...various colors
 Scabiosa Grandiflora...all colors
 Sunflower...yellow

Low Edging Plants

Ageratum Dwarf blue, white or mixed
 Alyssum...white
 Calliopsis, Tiger Star...reddish brown
 Candytuft...various colors
 Celosia, Dwarf...various colors
 Centaurea, Dusty Miller...various colors
 Dianthus...various colors
 Lobelia Compacta...blue
 Mignonette...white, yellow, red
 Pansy...all colors
 Portulaca yellow, pink, white, scarlet
 Verbena...various colors

Low Edging Plants—Perennial, 6 to 12 Inches high

Alyssum Saxatile...yellow
 Anemone...various colors
 Pinks...various colors
 Daisy, English...various colors
 Forget-me-not...blue
 Primula, Iceland...white, orange, yellow
 Pyrethrum...various colors
 Viola...yellow, white and blue

Bedding Plants—Perennial 1 to 2 feet high

Agrostemma...pink
 Aster...various colors
 Begonia...various colors
 Calceolaria various shades and colors
 Candytuft...all colors
 Carnation...various colors
 Cineraria...various colors
 Coleus...various colors
 Columbine...yellow, violet, rose
 Daisy (Shasta)...white
 Gaillardia...yellow, orange, scarlet
 Geum...scarlet
 Linum...various colors
 Lychnis...scarlet
 Pentstemon...various colors
 Salvia...scarlet
 Statice...white, blue, yellow
 Stocks (perpetual)...all colors
 Sweet William...various colors

Tritoma...orange, red
 Vinca...white, rose
 Wallflower...various colors

Climbing Vines—Annual

Balloon Vine...white
 Scarlet Runner Bean...scarlet
 Cardinal Climber...red
 Cobea Scandens...red
 Cypress Vine...various colors
 Gourds...various colors
 Moonflower...white
 Morning Glory...various colors
 Nasturtium, Tall...various colors
 Sweet Peas...all colors

Tall Growing Shrub Plants—Perennial For Grouping from 2½ feet up

Anchusa...blue
 Aster...various colors
 Canna...various colors
 Canterbury Bells...various colors
 Chrysanthemum...various colors
 Dahlia...all colors
 Delphinium...various colors
 Digitalis...various colors
 Geranium...scarlet, white, pink
 Gladiolus...various colors
 Hollyhock...various colors
 Lantana...red, white, yellow
 Lobelia Cardinals...scarlet
 Lupin...shades of blue
 Poppy, Oriental...various colors
 Phlox, Perennial...various colors
 Snapdragon, Tall...various colors

Climbing Vines—Perennial

Clematis...white, lavender, red
 Kudzu Vine...violet

For Rockeries, Hanging Baskets or Window Boxes

Asparagus Fern...various colors
 Forget-me-not...blue
 Ice Plant...various colors
 Lobelia...various colors
 Lobeyia Trailing...blue
 Mimulus...yellow
 Nasturtium...various colors
 Petunia...various colors
 Portulaca...various colors
 Thunbergia...buff, orange and white
 Verbena...various colors

POOLE'S SUPERB SPENCER SWEET PEAS

EARLY FLOWERING, LONG SEASON

SPENCER SWEET PEAS

Australia is responsible for the starting of this type as the introduction of the variety Yarrowa caused the American hybridizers to endeavor to add all the known colors in the late flowering strain and in this they have succeeded far beyond their fondest expectations. For greenhouse culture these Early Flowering Spencers have become exceedingly popular and many acres of glass are devoted to growing them, especially in the middle west and east. While the seed may be sown very early, yet in some localities it is better to sow in the fall of the year.

Six weeks earlier than the Standard Spencers, these new early-flowering varieties begin to bloom 106 days from planting in the open ground and flower through a long season—about four months.

5001—Early Flowering—All white. Per pkt., 10c; oz., 50c.

5002—Early Flowering—Amethyst, color purple. Pkt., 10c; oz., 50c.

5003—Early Aviator. Large; crimson. Pkt., 10c; oz., 50c.

5004—Early Flowering Cream, as named. Pkt., 10c; oz., 50c.

5004A—Early Meadow Lark, deep rich cream, extra waved. Pkt. 10c; oz. 50c.

5005—Early Flowering Enchantress. Rose Pink. Pkt., 10c; oz., 50c.

5006—Early Flowering Fair Maid. Large blush pink. Pkt., 10c; oz., 50c.

5007—Early Flambeau. A large orange cerise. A wonderful advance in this group. It is a pure orange slightly tinged with cerise, very large and free flowering and will not burn. Pkt., 10c; oz., 50c.

5008—Early Flowering Glitters Standard Fiery Orange. Wings deep orange. Pkt., 10c; oz., 50c.

5009—Early Flowering Hercules. Mammoth rosy pink. Pkt., 10c; oz. 50c.

5010—Lavender King. Lavender. Pkt., 10c; oz., 50c.

5011—Early Morning Star. Deep orange-scarlet or flame-color. Pkt., 10c; oz., 50c.

5012—Early New Blue. We have worked for years to get a good free flowering early Spencer in a deep blue and we now offer Early New Blue as being the best deep blue in this group. Of robust habit, good stems, carrying fours of large size. Pkt. 10c; oz. 50c.

5013—Early Nightingale. This is a good florist's variety; large; lavender. Pkt., 10c; oz., 50c.



5014—Early Rose Dore. A beautiful rose pink suffused orange; early, very robust habit. It is soft rose suffused salmon orange, borne on long stems carrying three and often four well placed flowers. Pkt. 10c; oz. 50c.

5015—Snowstorm Improved. Pure white. Pkt., 10c; oz., 50c.

5016—Early Spring Maid. The color is light flesh pink, about like Mrs. Hugh Dickson. Pkt., 10c; oz., 50c.

5017—Early Starlight. A clear lavender blue; synonymous in color with the late Hawlmark Lavender. "The silvery blue of a night in the Silent North." Very early, a strong grower. The flowers are nicely placed on long stout stems. Pkt. 10c; oz. 50c.

5018—Yarrowa. Beautiful rose shade, with light pink standard. Pkt., 10c; oz., 50c.

5019—Poole's Early-Flowering, Long-Season's Spencer Mixture. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

STANDARD SUMMER FLOWERING SPENCER VARIETIES

Continued on Next Page

FARMOGERM INOCULATION

For Sweet Peas makes a better root growth, insuring stronger plants, finer blossoms, and prolongs the blooming period. See Page 1.

POOLE'S SUPERB SPENCER SWEET PEAS

SUMMER FLOWERING VARIETIES

CULTURE—First and most important, plant as early in the spring as the conditions will permit. Seeds should be sown at the rate of one ounce to 15 feet. Make a trench about 3 or 4 inches deep, planting seeds in the bottom about 2 inches deep, pressing the soil firmly. After the plants are well up, thin to 4 or 5 inches apart and draw the soil around them until the trench is filled above the level. This gives a depth to the roots, preserving the moisture. Keep the ground well worked and water if needed, an occasional soaking down being better than a daily sprinkling. Keep the flowers cut close and a pruning of the tips of the vines will also aid in prolonging the season of bloom and insuring better flowers.

FALL GROWING OF SWEET PEAS

On well drained soils fall planting of Sweet Peas brings greater satisfaction to the grower by producing larger blossoms on longer stems and through a longer season starting two or more weeks earlier.

In early October plant in trenches 3 to 10 inches deep, covering 2 inches putting on more earth as peas grow.

WHITE

5038—King White. The newest and most magnificent white; of perfect Spencer type; the immense petals gracefully frilled—are a pure white of wonderful substance. Pkt. 10c; oz. 30c.

5039—Constance Hinton. Decidedly the best black-seeded, white flowered variety. Flowers are of large size, and come at times with a decided blush tinge. Pkt. 10c; oz. 30c.

5040—White Spencer. A pure white flower of enormous size, beautiful crinkled and fluted, of splendid substance. Pkt. 10c; oz. 30c.

ROSE AND PINK SHADES

5040A—Miss California. The color is a distinct shade of salmon pink and the effect is extremely beautiful whether under natural or artificial light. The vines are of vigorous growth and bear profusely many four-flowered sprays of exquisitely waved or fluted form. The stems are long and stout. In the garden, Miss California is most attractive as the handsome flowers stand out from the heavy foliage which forms a most effective background. Pkt. 10c; oz. 50c.

5041—Elfrida Pearson. The color is a lovely pink; buds and flowers tinted with salmon-pink. Pkt., 10c; oz., 30c.

5041A—Mary Pickford. A beautiful dainty cream pink with just the faintest suffusion of salmon, making the color combination hard to surpass. The flowers are perfectly formed with both standards and wings decidedly waved. Mary Pickford is a sturdy grower, producing an abundance of large four-flowered sprays on long, stout stems. This Sweet Pea was a large seller last season and is a decided favorite both with the commercial growers and in the home garden. Pkt. 10c; oz. 50c.

5047—Margaret Atlee. Rich, glowing pink on cream ground. Pkt., 10c; oz., 35c.

5048—Mrs. Hugh Dickson. Buff apricot ground color primrose. Pkt. 10c; oz., 30c.



5042—Hebe. One of the latest. Giant clear rose pink of perfect form. Pkt. 10c; oz. 30c.

5043—Countess Spencer. Pink. Improved Strain. Flowers extremely large, beautiful expanded, crumpled and waved. Color soft shell pink, deeper at the outer edges. Pkt. 10c; oz. 30c.

5044—Florence Morse-Spencer. Deep blush pink. The flowers are extremely large, of the finest open wavy type; they are borne upon strong, stiff stems, four flowers to stem. Pkt. 10c; oz. 30c.

5045—Hawmark Pink. This most beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most beautiful shade of rich rose-pink, deeply flushed and shaded with salmon. The wings are bright rise-pink, whereas the standard is somewhat lighter in color and slightly toned down with salmon. Large well waved blooms, usually borne in fours. Pkt. 10c; oz. 30c.

5050—Appleblossom Spencer. Rose. A truly giant flower; color standard rose with deeper veining, wings light carmine, ground color primrose. Pkt., 10c; oz., 35c.

RED AND ORANGE SHADES

5049—The President Harding. Greatest Sweet Pea of the century. Peach-red or salmon-cerise, suffused orange. Pkt. 10c; oz. 40c.

5051—Royal Scott. A magnificent new red that does not burn. The color is glowing orange scarlet. Flowers large and handsome. Pkt. 10c; oz. 30c.

5052—King Edward Spencer. Bright crimson-scarlet, largest size, wavy standard; drooping wings, very long stems; one of the finest bright reds. Pkt. 10c; oz. 30c.

5053—Fiery Cross, bright red orange cerise. Pkt., 10c; oz., 35c.

5054—Vermillion Brilliant. Pure scarlet; one of the best of the latest novelties. Pkt. 10c; oz. 30c.

5035—Doreen. Huge, bright carmine Sweet Pea. It is much larger and brighter than all other carmine varieties we have tried. The color is bright and outstanding and we anticipate Doreen will be popular with exhibitors on account of its size. The plant is a most vigorous grower and bears a profusion of four blossom sprays. Pkt. 10c; oz. 40c.

5036—Defiance. A fine large orange scarlet absolutely burnless. Of vigorous robust habit. A great improvement over Royal Scott. Pkt. 10c; oz. 40c.

5037—Campfire. Bright scarlet sun-proof Sweet Pea. It is the last word in vivid color and stands out beside all other varieties in this class. The flowers will stand the hottest sunshine, in fact the brighter the sun the better the color. The flowers, while not huge ore of fine size and borne in profusion on plants of great vigor. Pkt. 10c; oz. 40c.

5050A—Crimson King. Pure deep crimson; the most pronounced, pure deep red of all Sweet Peas. A much clearer and finer shade than King Edward Spencer. Pkt. 10c; oz. 40c.

SWEET PEAS CONTINUED ON NEXT PAGE

Summer Flowering Spencer Sweet Peas—Continued

LAVENDER AND MAUVE

5055—Asta Ohn. Lavender, suffused with mauve; of perfect form, largest size 4 blossoms on long, strong stems; very vigorous. Pkt. 10c; oz. 30c.

5056—Florence Nightingale. Immense, bold erect flowers of soft, rich lavender with very delicate suffusion of rose; a beautiful, self-colored flower, frilled and waved. Bear four blooms on extra long stems. Pkt., 10c; oz. 30c.

5057—Masterpiece. Large wavy lavender-tinted mauve. Pkt. 10c; oz. 30c.

ORANGE

5058—Helen Lewis. A giant flower of perfect form; standard rich crimson orange, wings orange rose; open form, full, wavy. Pkt. 10c; oz. 30c.

5058A—Guinea Gold, bright orange on gold ground. Pkt. 10c; oz. 30c.

5059—Illuminator—A brilliant orange-salmon ground, illuminated with bright cerise pink; a rare and wonderful color combination of great beauty. First class certificate. Pkt., 10c; oz. 30c.

5060—Tangerine. This is the last word in orange color sweet peas. Deep orange, almost approaching the color of a tangerine orange. Flowers of great size, beautifully waved and well placed. Pkt. 10c; oz. 30c.

BLUE AND MAROON

5063—Wedgewood. The best blue Spencer is a unique shade of lovely light blue. Pkt. 10c; oz. 30c.

5064—Warrior. Color rich maroon, flushed with bronze. The flowers are of great size, perfectly formed and placed. Pkt. 10c; oz. 30c.

5065—Splendor. One of the newest of sweet peas. The color is a rich mahogany-maroon, of giant size. Pkt., 10c; oz. 30c.

5063—Heavenly Blue. Late flowering. A fine new blue, of a most beautiful soft tone of Delphinium blue.

It is a pure blue self that does not show a trace of violet.

The flowers are of immense size with fours invariably well placed on long stiff stems.

This novelty is a very marked improvement over Mrs. Tom Jones and we believe it will be hard to surpass among late flowering blue Sweet Peas for many years to come. Pkt. 10c; oz. 40c.

PURPLE—LILAC—HELIOTROPE

5066—Royal Purple. The color is a rich, warm, rosy purple, the younger flowers having a slightly softer color tone. Pkt. 10c; oz. 30c.

5068—Senator Spencer. Claret and chocolate stripe on light ground, large and most distinct, much admired; a profuse bloomer. Pkt. 10c; oz. 30c.

CREAM OR PRIMROSE

5061—Primrose Spencer. A pronounced primrose or creamy white; excellent flower. Pkt. 10c; oz. 30c.

5062—Dobbies Cream. Large deep cream, perfect form. Pkt. 10c; oz. 30c.

PICOTEE AND STRIPED

5067A—Youth. Clear waxy white with well defined clear pink edging. This is undoubtedly the best of all picotee Sweet Peas. Enormous flowers, being wonderfully fragrant. Pkt. 10c; oz. 30c.

5067—America. An ivory white ground distinctly striped with brilliant crimson. Pkt. 10c; oz. 30c.

5069—Poole's Superb Mixture. (True Spencers Only). A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliance of color. Oz. 25c; ¼-lb. 65c; lb. \$2.00.

For Perennial or Everlasting Sweet Peas see *Lathyrus Latifolius* page —

**INOCULATE THIS
SEED WITH
FARMOGERM**

"Larger flowers on Sweet Peas are sure when treated with FARMOGERM." See Page 1.

FLOWER CULTURE

CULTURE—Cultural directions are printed on the back of nearly all packets. Flowers usually succeed best in a sandy loam, made rich with well-rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

After the plants are up they require plenty of air and moisture, but they must not be too wet or they will "damp off." When large enough to transplant, put them in boxes or pots, giving them plenty of room, then when the ground is warm enough to put them outside, each plant will have a nice clump of roots. But if they are left inside and are close together, they

will be weak and will not thrive.

A common mistake with flower, as well as other seeds, is planting too deep. A good rule is to plant the same depth as the thickness of the seed, and always press the soil down firmly, as this helps the seed to secure a firm hold and also retains the moisture.

A hotbed or cold frame is very convenient to start seeds in, as the temperature and moisture can be so regulated as to make their germination and rapid growth more certain. Most seeds do well if sown in boxes in a sunny window in the house.

Plants are usually ready to be transplanted when they have made a growth of two inches.

INFORMATION THAT WILL AID IN SELECTION OF FLOWERS

Annuals bloom and ripen the first year and then they perish. Many annuals in warm climates, or when taken in, or protected during Winter, become perennial, with short lives.

Hardy Annuals, Biennials and Perennials can be sown in open ground early in the Spring if desired, and Hardy Biennials and Perennials do not require any protection in winter.

Perennials flower several years in succession.

Biennials do not generally flower the first year, and are in their perfection the second year.

Flower seeds that are easy to grow under the proper conditions of heat and moisture will often fail when these conditions cannot be controlled.

ABRONIA (Sand Verbena)

(Hardy Annual)

You see this growing in sand along the beaches.
5070—Umbellata. Rosy lilac. Pkt., 10c

ACROLINIUM (Everlasting)

(Half Hardy Annual)

Grows about 15 inches high, bearing white or rosy pink flowers, when cut in bud state, can be dried and used for winter bouquets. Sow seeds early in sheltered location and transplant to permanent bed.

5071—Double Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 20c; oz. 50c.

ADONIS

5072—(Floss Adonis, or Pheasant's Eye). Hardy Annual 12 inches; flowers crimson and small. Seed should be sown in the autumn. Pkt. 10c.

5073—Vernalis. (Hardy Perennial) 18 in. Large star-shaped yellow flowers. Seeds, 10c per pkt.

5073A—Autumnalis (Hardy Annual) Scarlet. Pkt. 10c.

AGERATUM

(Hardy Annual)

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

5074—Mexicanum Coeruleum. 18 in. Beautiful soft lavender-blue, of free branching habit. Pkt., 10c.

5075—Album. White. Pkt., 10c.

5076—Mex. Mixed. Pkt., 10c.

5077—Nanum, Blue Perfection. 9 in. The darkest Ageratum grown from seed. Pkt., 10c.

5078—Imperial Dwarf Blue. 6 in. A charming variety of fine, compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt., 10c.

AGROSTEMMA

(Hardy Perennial)

5079—Coronaria. Foliage silvery white, blossoms crimson, resembling single pinks. Strikingly beautiful, for beds, ribbons and borders. Seeds should be sown where plants are to remain and thinned to prevent crowding. Height 2 feet. Perennial. Pkt. 10c; oz. 40c.

ALYSSUM

5080—Saxatile. (Hardy Perennial) Showy, bright yellow flowers, blooms the first season if sown early indoors. Fine for borders. Height 6 to 12 inches. Pkt. 10c; $\frac{1}{4}$ -oz. 25c.

ALYSSUM—(Hardy Annual) A dainty little white flower. Fine for borders, edging and rockwork. In borders, sow thickly so as to form masses. Varies in height from 4 to 10 inches. Sow in spring or late August.

5081—Maritimum. Sweet. Pkt., 10c; oz., 40c.

5082—Little Gem. Pkt. 10c; oz. 50c.

5083—Procumbens. Of trailing habit; profuse bloomer. Pkt. 10c; oz. 60c.

5084—LILAC QUEEN. Beautiful soft lilac flowers changing to white as they age. It is a free and continuous bloomer of dwarf creeping habit. An excellent border plant. Pkt. 10c; oz. 50c.

AMARANTHUS

(Tender Annual)

Handsome foliage and interesting flowers making a striking effect in borders and beds. Thrives in hot, sunny situation with rather poor soil. 2 to 5 feet. Sow early and transplant.

5085—Salicifolius. Willow leaved. Pkt., 10c; oz., 75c.

5086—Caudatus. Graceful drooping flowers. Pkt., 10c; oz., 25c.

5087—Tri-color, or Joseph's Coat. Foliage scarlet, yellow and green. Pkt. 10c; oz. 50c.

5088—CRUENTUS (Prince's Feather). Dark red foliage and feathery flowers; 2 feet. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

AMMOBIUM

(Half Hardy Perennial)

5089—Alatum Grandiflora. 2 $\frac{1}{2}$ ft. This pretty white Everlasting should be in every garden. Grows well in sandy soil. Pkt. 10c; $\frac{1}{4}$ -oz. 20c.

AMPELOPSIS VEITCHII

(Hardy Perennial)

5089A—Boston or Japanese Ivy. The popular ivy, which covers so many buildings. The leaves are heart shaped and are off the vine for only two months in the winter. Pkt. 10c; oz. 50c.

ANCHUSA

(Hardy Perennial)

5090—(Italica—Dropmore). A splendid, free blooming plant for hardy borders, growing to a height of about 5 feet. Flowers are of beautiful gentian blue color. Seeds should be sown in sheltered place outdoors and transplanted when large enough to handle. Should be 2 to 3 feet apart. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.

ANEMONE (Wind Flower)

(Hardy Perennial)

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

5091—St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Seeds 10c per pkt.

ANTIRRHINUM—See Snapdragon.

AQUILEGIA—See Columbine.

ARABIS (Rock Cress)

(Hardy Perennial)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.

5092—Alpina. 6 in. A most useful hardy perennial for spring bedding and rockeries. Early in the year the pure white flowers make a pleasing contrast in beds and borders with Alyssum saxatile compactum. Seeds, 10c per pkt.

ARCTOTIS GRANDIS (African Daisy)

(Hardy Annual)

5093—It forms much branched bushes 2 to 3 feet high; its daisy-like flowers are pure white on the upper surface, the reverse of petals pale lilac-blue. It delights in a sunny situation. As a cut flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window every one will open. Pkt., 10c.

ARGEMONE

(Hardy Annual)

5094—Grandiflora (The Prickly Poppy) 2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt., 10c.

ASTERS

The Aster will thrive in any soil, from a light sand to a heavy clay. Cover seed with $\frac{1}{2}$ inch of soil. If the soil is too poor, add a good supply of Ground Bone, mixing thoroughly. Seed sown in the open ground in May will produce plants that will bloom finely in September and October. When the plants have three or four leaves, transplant, 12 to 18 inches apart each way, into well-prepared beds. Never allow a crust to form, as it prevents the air from entering the soil and allows the moisture to escape rapidly. If watering is necessary, give the plants a good soaking—do not merely sprinkle them.

Giant Ostrich Feather—The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut flowers par excellence.

- | | |
|----------------|--------------------|
| 5100—White | 5104—Crimson |
| 5101—Soft Pink | 5105—Silvery Lilac |
| 5102—Lavender | 5106—Light Blue |
| 5103—Rose. | 5107—Dark Blue |
- Each of the above: Pkt., 10c.
5108—Mixed, all colors. Pkt. 10c; $\frac{1}{4}$ -oz. 25c.

CREGO'S GIANT ASTERS

Crego's Giant Asters are one of the most popular types of all Asters. The flowers are of immense size, usually measuring 4 to 5 inches in diameter and they are quite thick through the center. The petals of the flowers are most attractively curved and twisted, resembling in looseness an ostrich feather. The flowers are double to the very center. They are borne on long and strong stems measuring 12 or more inches in length. The plants are of sturdy branching habit, growing 2 to 2½ feet high. Crego's Giant Asters are a mid-season type.

Valued for their immense freedom of bloom and their artistic appearance.

- | | |
|-----------------------|-----------------------|
| 5147—Giant Shell Pink | 5152—Giant Azure Blue |
| 5148—Giant Purple | 5153—Giant Lavender |
| 5149—Giant Rose | 5154—Giant Pink |
| 5150—Giant Crimson | 5155—Giant White |
- 5151—Giant Dark Blue
Each of above Pkt., 10c.
5156—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 50c.

GIANT BRANCHING COMET

Plants 2 to 3 feet high, branching habit, bearing a large quantity of fine Comet flowers, large and double.

- 5135—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 40c.

5165—PINK MIKADO OR ROCHESTER. This superb variety is a branching type of the Giant Comet. The double flowers average from 3½ to 5 inches in diameter. The color is a charming shade of silvery lavender pink. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5166—MIKADO. Plants about two feet high, branching habit.

SINGLE ASTERS

5167—Single Chinese, finest mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

5168—Single Elegance, finest mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 40c.

EARLY BEAUTY ASTERS

A recently developed late flowering strain, which begins to flower in early September, lasting until destroyed by frost. Large flowers borne on long, stout stems from 18 to 24 inches. Plants grow nearly three feet in height.

- 5120—American Beauty. A bright crimson rose.
5121—Lavender Beauty. A soft lavender.
5122—Purple Beauty. A deep, rich purple.
5123—September Beauty. A delicate shell pink.
5124—White Beauty. A good white.
Pkt., 15c; $\frac{1}{4}$ -oz., 65c.
5125—Finest Mixed. Pkt., 15c; $\frac{1}{4}$ -oz., 50c.

5169—Plants about 2 to 3 feet high, of branching habit. Mixed colors. Pkt., 15c; $\frac{1}{4}$ -oz., 65c.

QUEEN OF THE MARKET are a most valuable type for bedding as well as for cutting, as they are the first to come into bloom. The plants, 15 inches tall, branch freely near the ground, giving long stems to the flowers. The Queen of the Market Asters are very popular with florists for early cutting.

- | | |
|-----------------|--------------------|
| 5109—Lavender | 5114—Rose |
| 5110—Crimson | 5115—Scarlet |
| 5111—Flesh Pink | 5116—Purple |
| 5112—Dark Blue | 5117—Peach Blossom |
| 5113—Light Blue | 5118—White |

5119—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

5164—HEART OF FRANCE. Beautiful deep red flowers of excellent size and perfect formation. The blooms are borne on long and strong stems. The plants grow about 24 inches high. Pkt., 15c; $\frac{1}{4}$ -oz., 50c.

AMERICAN LATE BRANCHING ASTERS

A splendid strain, producing handsome double flowers on long stems. The plants are of strong growth, from 2 to 3 feet in height, and branch freely. These grand late-blooming Branching Asters are unsurpassed.

- | | |
|----------------|--------------------|
| 5136—Purple | 5141—Lavender |
| 5137—Cardinal | 5142—Scarlet |
| 5138—Crimson | 5143—Peerless Pink |
| 5139—Deep Rose | 5144—Shell Pink |
| 5140—White | 5145—Azure Blue |
- Each of above Pkt., 10c. 5144A—Peach Blossom
5146—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

NEW CALIFORNIA GIANTS

Combining the "BEAUTY'S" rigorous growth and the Crego or Ostrich Feather type of flower. A true, non-lateral type with flowers much larger and more substantial than the improved Crego. Their immense size and beauty as well as their long and sturdy stems make them very attractive in floral work. We offer this year:

- 5157—Peach Blossom. Pkt., 15c.
5158—Light Blue. Pkt., 15c.
5159—Deep Rose. Pkt., 15c.
5160—Dark Blue. Pkt., 15c.
5161—Finest Mixed. Pkt., 15c; $\frac{1}{8}$ -oz., 75c.

TRIUMPH ASTER

5162—Dwarf Triumph. A most beautiful and extremely free flowering dwarf variety. Flowers peony form measuring from 2½ to 3 inches in diameter. Pkt. 10c.

5163—Aster Unicorn. Very large flowered variety with long narrow petals, curled and crested. Fine for cut flowers. Plant from 1½ to 2 feet in height, flowers, 5 to 6 in across, of noble form, with long tapering florets. Pkt. 10c.

ASTERMUM

Plants about 2 feet high, branching habit. Flowers large, double, well formed Comet class and a little earlier than Crego's.

- 5170—Lavender. Pkt., 10c.
5171—Rose Pink. Pkt., 10c.
5172—White. Pkt., 10c.
5173—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 50c.

ASTER PERENNIAL

5174—Large Flowering Mixed. Various shades of blue. Pkt., 10c.

ASPARAGUS

(Greenhouse Perennial)

Beautiful fern-like foliage; fine for bouquets; an excellent house plant; white flowers; 4 to 6 feet.

5095—Plumosus Nanus. The dwarf variety so largely used by florists. Pkt. 10c.

5096—Sprengeri. Fine for basket-work and for use with cut flowers. Pkt. 10c.

ASPERULA

(Half Hardy Annual)

5098—Azurca Setosa. Numerous sweet scented pale blue flowers; remains in bloom for a long period. Very effective in large bed, especially in the early months of the year from autumn sowing. Height 1 ft. Pkt. 10c.

AUBRETIA GRAECA

(Hardy Perennial)

5175—Blue. Resembling Alyssum in character; fine for rockwork or bedding. Pkt. 10c.

AURICULA

(Hardy Perennial)

5176—Primula auricula. A great favorite in England, where flower shows are held of this plant alone. From a prize collection. Pkt. 35c.

BACHELOR'S BUTTON—See Centaurea.**BALLOON VINE**

(Half Hardy Annual)

5177. A rapid graceful climber, with inflated seed pods; flowers white. Pkt. 10c; oz. 35c.

BALSAM

(Half Hardy Annual)

(Ladies' Slipper—Touch-me-Not.) Hardy annual, easily grown.

5178—Finest Double Mixed. A splendid assortment. Pkt., 10c; ¼-oz., 30c.

5178A—Tall double camelia flowered. Pkt. 10c; oz. 30c.

BEGONIA

(Greenhouse Perennial)

5179—Semperflorens, Mixed. Perennial. Pkt., 25c.

CALCEOLARIA

(Greenhouse Biennial)

5180—Hybrida. Large-flowered; tigered or spotted. 2 ft. Pkt. 50c.

CALENDULA—POT MARIGOLD

(Hardy Annual)

Hardy annual about a foot high. Sow in the open ground early in spring, and the plants will bloom early in summer, continuing until late in autumn.

5181—Mixed. All sorts. Pkt. 10c; oz. 25c.

5182—Orange King. Pkt., 10c.

5183—Meteor. Pkt. 10c.

5184—Lemon Queen. Pkt. 10c.

5185—Double Mixed. Pkt. 10c; ¼-oz. 25c.

5187—The Ball. Pkt., 10c.

CALLIOPSIS

(Annual)

This annual is another of the garden's great forces in yellow, strengthened with rich red-maroons and browns. Sow in the open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting.

Tall

5188—Double Mixed. Pkt., 10c; oz., 30c.

5189—Single Mixed. Pkt., 10c; oz., 30c.

Dwarf

5190—Coronata Maxima. Pkt., 10c.

5191—Drummondii (Golden Wave). Pkt., 10c.

5192—Crimson King. Pkt., 10c.

5193—Dwarf Mixed. Pkt., 10c; oz., 35c.

Perennial—See Coreopsis.

CANARY BIRD FLOWER

(Half Hardy Annual)

5194—(Tropaeolum Canariensis) Climbing plant with graceful foliage and yellow blossoms. Pkt. 10c; ¼-oz. 15c

CANDYTUFT (Iberis)

(Hardy Annual)

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

5195—Giant Hyacinth-Flowered White. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Pkt. 10c; oz. 50c.

5196—Snowflake. The very sweetest of all. May be planted in fall as ground cover for tulip beds. Pkt., 10c.

5197—Little Prince. Very large heads of pure white flowers; fine for border and pots; 6 in. Pkt. 10c; oz. 50c.

5198—Mixed Annual Sorts. Pkt., 5c; oz., 40c.

5199—Sempervirens. Perennial. White. Pkt., 10c.

CANNA—INDIAN SHOT

(Greenhouse Perennial)

One of our best bedding plants; beautiful, ornamental foliage and large, brilliant flowers.

5200—Finest Mixed. Crozy's Hybrids; very fine. Pkt., 10c.

CANTERBURY BELLS

(Biennial)

(Campanula). Very ornamental garden plants growing 2½ feet high, producing large, nodding and charming bell-shaped flowers of many exquisite shades; hardy biennial. Sow seeds in May. Keep seedling well watered and transplant to permanent location in July or August. Give rich soil and plenty of room.

5201—Medium Single. Blue. Pkt., 10c; ¼-oz., 25c.

5101A—Medium Single. Rose. Pkt., 10c; ¼-oz., 25c.

5201B—Medium Single. White. Pkt., 10c; ¼-oz., 25c.

5201C—Medium Single. Mixed. Pkt., 10c; ¼-oz., 25c.

5202—Calycanthema (Cup and Saucer) Blue. Pkt., 10c; ½-oz. 30c.

5202A—Calycanthema, white. Pkt. 10c; ½-oz. 30c.

5202B—Calycanthema, pink. Pkt. 10c; ½-oz. 30c.

5202C—Calycanthema, light blue. Pkt., 10c; ½-oz., 30c.

5202D—Calycanthema, mixed. Pkt. 10c; ½-oz. 30c.

5203—Persicifolia (Perennial) Very fine, blooms in June. Blue or white. Pkt. 15c; ½-oz. 30c.

5203A—Perennial varieties. Mixed. Pkt. 10c; ½-oz. 30c.

5204—Pyramidalis (Perennial) Stately, hardy plant for pot culture or garden. Blue. Pkt. 10c; ½-oz. 30c.

5204A—Medium, Double Blue. Pkt., 10c.

5204B—Medium, Double White. Waxy appearance. Pkt., 10c.

5204C—Medium, Double Rose. Pkt., 10c.

5204D—Medium, Double Mixed. Pkt., 10c.

5204E—Campanula Speculum (Venus looking glass) Annual Mixed. Pkt. 10c.

CARDINAL CLIMBER

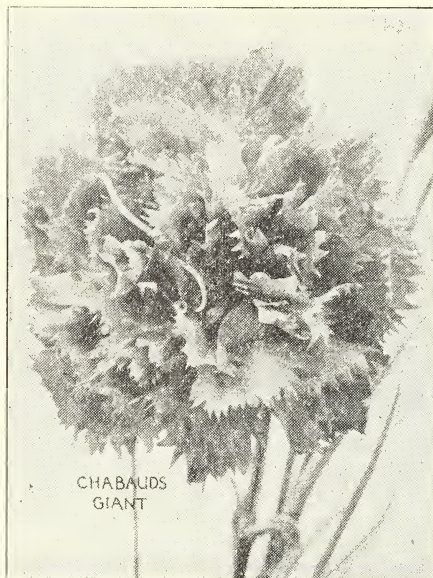
5210—(Annual) Strong, rapid grower, attaining a height of 25 feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from mid-summer to frost. The seed should be soaked in water a few hours before sowing and not planted outside until about May. Pkt. 10c; ¼-oz. 20c; oz. 50c.

CARNATION (*Dianthus Caryophyllus*) (Tender Perennial)

Carnations are tender perennials, being easily winter killed. Splendid for cut flowers, deliciously fragrant. Colors pink, white and red. Sow seed indoors in March. Transplant seedlings to other boxes when 1 inch high. Keep them growing well until soil is warm, then transfer to open garden. Height 1 to 1½ feet. Fine plants in season.

CHABAUD'S GIANT IMPROVED

A new acquisition in the line of carnations; coming into bloom six months from seed and continuing to bloom throughout the summer. The plants are of robust upright habit; they form from ten to twenty stalks bearing huge flowers of fine form; they come about 90% double, quite true and are highly clove scented.



5205—Chabaud's Giant Improved Mixed. Pkt. 15c.

5205A—Chabaud's Giant Improved White. Pkt. 15c.

5205B—Chabaud's Giant Improved Scarlet. Pkt. 15c.

5205C—Chabaud's Giant Improved Yellow. Pkt. 15c.

5206—Double Grenadin. Comes into bloom very early and the charming, double, scarlet flowers are very valuable for forming bouquets. Red, white, yellow. Pkt., 15c.

5207—Margaret. Finest Double Mixed. Bloom in four months from seed. Pkt. 10c; ¼-oz. 25c.

5208—Giant or Malmaison. Mixed. Pkt., 15c.

5209—Double Dwarf Vienna. Mixed. Large flowered and comes into bloom early, producing flowers of many colors and beautiful markings; a large proportion double. Pkt., 10c.

RICINUS—Castor-Oil Bean (Annual)

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropic effects. Grown as a specimen, it makes a perfect pyramid of gigantic leaves.

5212—Borboniensis Arboreus. Green foliage; 15 ft. Pkt., 10c.

5213—Cambodgensis. Glistening dark maroon; stems black; 5 ft. Pkt., 10c.

5214—Hybridus Panormitanus. Cross between Cambodgensis and Zanzibariensis. Huge dark brown leaves, blue-powdered stems; upright habit. Pkt., 10c.

5215—Zanzibariensis. Mixed. Very ornamental; dark bronzy green and red leaves; 8 to 10 feet high. Pkt., 10c; oz., 35c.

5216—Sanguineus Tricolor. Blood red stems, deep green leaves, with red veins; 6 ft. Pkt., 10c; oz., 35c.

5217—Finest Mixed. Pkt., 10c; oz., 25c.

CASTOR BEAN (Mole Bean)

See page —.

CENTAUREA

(Hardy Annual)

(Bachelor's Button—Cornflower)

Very popular annuals; will grow in the poorest of soil, either on seashore or mountains; seed can be sown either in fall or spring; sandy soil preferable. Height 2½ feet.

5218—Cyanus, finest single mixed. Pkt. 10c; ¼-oz. 25c.

5219—Single Blue. Pkt. 10c; ¼-oz. 20c.

Centaurea Cyanus fl. Pl (Double Bachelor's Button) Beautiful large double flowers.

5220—Double Blue. Pkt. 10c; ¼-oz. 25c.

5221—Double Mixed. Pkt. 10c; ¼-oz. 25c.

Centaurea Imperialis (Giant Cornflower) The flowers are of enormous size, fragrant and of charming colors; in form they resemble the fuzzy part of the thistle bloom. In colors from white to red to purple. Excellent for cutting.

5223—Mixed Colors. Pkt., 10c; ¼-oz., 35c.

5224—Marguerite. Flowers 4 inches across; purest white. Pkt., 10c; ¼-oz., 40c.

Moschatus (Sweet Sultan) Hardy annual, with very fragrant and showy flowers; 1½ feet. June to September.

5226—Finest Mixed. Pkt., 10c; ¼-oz., 35c.

5227—Suaveolens (Grecian Cornflower). Yellow flowers, showy. Pkt., 10c; ¼-oz., 35c.

See also Stokesia.

WHITE LEAVED CENTUREA (Dusty Miller) Perennial These are grown for foliage only; hardy perennials. leaves are silver-coated.

5228—Candissima. Thick, white, upright cut leaves; 1 foot. Pkt., 10c; ¼-oz., 50c.

5229—Gymnocarpa. Fine, fern-like leaves, very graceful and showy. 1½ feet. Pkt. 10c; ¼-oz. 20c.

CHRYSANTHEMUM

(Annual)

Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. Average height, 1 to 1½ ft.

5230—Coronaria. Double mixed. Pkt., 10c; ¼-oz., 25c.

5231—Tricolor. Single mixed. Pkt., 10c; ¼-oz. 35c.

5232—Tricolor. Single and double mixed. Pkt., 10c; ¼-oz., 25c.

5233—Frutescens (Marguerite or Paris Daisy. Pkt., 10c; ¼-oz., 40c.

5234—Shasta Daisy (Leucanthemum Perennial). Pkt. 15c; ¼-oz., 50c.

5235—Carinatum (Northern Star) Giant white, black center. Pkt., 10c; oz., 50c.

5235½—Carinatum. Single finest mixed. Pkt., 10c; oz., 40c.

CIMICIFUGA (Snake Root)

(Perennial)

Valuable for late flowering beginning in September and continuing throughout October.

5235—*Racimosa*. 4 to 8 ft. White flowers in long racemes. Pkt. 10c.

CINERARIA

(Tender Annual)

5236—*Hybridi Grandiflora*. We pride ourselves in offering the choicest strain of this gorgeous flower; grand large bloom in umbel spikes are borne way above the foliage; colors and markings are superb; 1½ feet; tender annual; start under glass, pot and keep inside for pots. Pkt., 35c.

CLARKIA

(Annual)

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses. Height 2 ft.

5238—*Apple Blossom*. Double apple blossom pink.

5239—*Brilliant*. Double salmon scarlet.

5240—*Chamois*. Double.

5241—*Flesh*. Double flesh pink.

5242—*Queen Mary*. Double rose carmine.

5243—*Salmon Pink*. Double salmon.

5244—*Scarlet Queen*. The flowers are a double orange salmon and develop to a glowing orange scarlet.

5245—*White Prince*. Very double, pure white.

Each of above pkt. 10c.

5246—*Special Mixture*. Made up especially from the above named varieties. Be sure and include this in your order. Pkt. 10c; ¼-oz. 25c.

CLEMATIS (Virgin's Bower)

(Hardy Perennial)

Excellent hardy, climbing perennials for trellises, arbors, verandas, etc. Do well in most locations.

5247—*Paniculata*. White, fragrant, very free blooming; 10 to 20 ft. Pkt., 10c.

5248—*Jackmani Hybrids*. Mixed. Collection of the best colors; 10 to 15 ft. Crop failed.

CLEOME

(Tender Biennial)

Curious, ornamental, hardy biennial, on castor-oil plant style. Blooms freely in sandy soil.

5249—*Pungens (Giant Spider Flower)*. Pink. 3 ft. Pkt., 10c; ¼-oz., 35c.

COBAEA

(Tender Perennial)

Tender climbing perennials of rapid growth. 20 ft. 5250—*Scandens*. Purple, bell-shaped flowers. Pkt., 10c; oz., 60c.

5251—*Scandens alba*. White. Pkt., 15c.

COCKSCOMB

(Tender Annual)

CELOSIA CRISTATA (Cockscomb) Very attractive and showy, producing massive heads of deeply colored flowers. Colors, red, purple and yellow. Sow very thinly in boxes indoors, transplanting to other boxes or thumbpots until little combs appear. Grows 9 to 12 inches tall.

5252—*Cockscomb Tall Mixed*. Pkt., 10c; oz., \$1.00.

5253—*Dwarf Empress*. Pkt., 10c; ¼-oz., 75c.

5254—*Dwarf Fine Mixed*. Pkt., 10c; ¼-oz., 65c.

5255—*Plumosa (Feathered)* Large plummy heads. For pots or open ground. Keeps well when cut. Grows 1 to 3 feet tall. Finest mixed. Pkt., 10c; oz., \$1.00.

5256—*Childsii (Chinese Wool Flower)*. An unique form of the feathered cockscomb, growing 2 to 3 feet

high, each branch terminated with a large head of rich crimson flowers that look as if made out of silky wool. Effective in beds and borders. Also valuable for cutting, as they can be dried, retaining their bright colors for weeks. Pkt., 15c; ¼-oz., 75c.

COIX LACHRYMA

(Annual)

5257—**JOB'S TEARS** (*Coix Lachryma*) The seeds are strung up in the same way as beads. A strong grower with large deep green leaves growing 3 feet tall. Seeds very freely. Pkt., 10c; ¼-oz., 15c; ½-oz., 25c; oz., 45c.

COLEUS

(Greenhouse Perennial)

5257A—*Extra Fine Mixed*. Pkt., 50c.

5258—COLLINSIA

(Hardy Annual)

Free-flowering annuals. If sown in autumn, will stand the winter and flower early in spring. All are brightly colored and are excellent for growing in patches or clumps; grows in any garden soil. 1 to 1½ ft. Pkt., 10c; oz., 50c.

COLUMBINE (Aqilegia)

(Hardy Perennial)

5258—Free-flowering annuals. If sown in autumn, will A hardy perennial growing about 2 feet high and bearing flowers of a great variety of colors on long, smooth stems. Stands partial shade very well.

5259—*Mrs. Scott Elliott's Strain of Long Spurred Hybrids*.

5260—*Chrysantha*. Pure golden yellow, single long spurs; three feet. Pkt., 10c.

5261—*Skinneri (Mexican Columbine)* Large scarlet and yellow flowers. Pkt., 15c.

5262—*Single Mixed*. Many varieties. Pkt., 10c; ¼-oz., 40c.

5263—*Double Mixed*. Pkt., 10c; ¼-oz., 40c.

COREOPSIS

(Perennial Calliopsis)

5264—**COREOPSIS (Lanceolata)** Large showy, bright yellow flowers produced in great abundance from June until frost; fine for cut flowers. Sow seeds indoors very early, transplanting to open when soil is warm. Height 1 to 2 feet. Pkt. 10c.

COSMOS

(Hardy Annual)

One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses, or long background borders against evergreens or fences. We offer only the choice, large-flowering strains. To make sure of flowering early, Cosmos should be started indoors and transplanted into dry, sandy, or poor soil, in a sunny situation.

EXTRA EARLY MAMMOTH FLOWERING

Seed started early in the house or frame, will produce flowers a month earlier than Mammoth Perfection.

5265—*Crimson*. Pkt., 10c.

5266—*Pink*. Pkt., 10c.

5267—*White*. Pkt., 10c.

5268—*Mixed*. Pkt., 10c; ¼-oz., 30c; oz., \$1.00.

MAMMOTH PERFECTION

Large flowers on long stems, lasting until frost.

5269—*Fine Mixed*. Pkt., 10c.

NEW DOUBLE VARIETIES

These called double crested are not fully double, but are double crested, having double centers and a row of petals around the base of the flower; very effective.

5270—*Fine Mixed*. Pkt., 10c; ¼-oz., 35c.

CYCLAMEN

(Perennial)

A tender bulbous perennial, used in green houses and window gardens. It can be grown from seed with a little care. Sow in fall or early in the spring.

5271—Finest Mixed. Pkt., 35c.

CYPRESS VINE (Ipomea Quamoclit)

(Tender Annual)

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shape blossoms, and its finely cut foliage is particularly adapted to ornamental work. Height 10 feet.

5272—White. Pkt. 10c.

5273—Scarlet. Pkt. 10c.

5274—Mixed. Pkt. 10c; ¼-oz. 20c.

5275—Ivy-Leaved Scarlet. A rapid growing variety with deeply lobed, ivy-like leaves and small scarlet flowers. Pkt., 10c.

DAHLIA

5276—Double Mixed. Pkt. 10c; ¼-oz. 50c.

5277—Single Mixed. Pkt. 10c; ¼-oz. 25c.

5278—Single Cactus, mixed. Pkt., 10c.

5279—Collarette, finest mixed. Pkt., 10c.

DAISY Bellis Perennis

(Perennial)

A well-known and popular, low-growing plant bearing beautiful flowers. Hardy perennial.

5280—Double Rose (Longfellow). Pkt., 10c.

5281—Double White (Snowball). Pkt., 10c.

5282—Double Mixed, Very fine. Pkt., 10c.

5283—Double Maxima, mixed. Extra large. Pkt., 15c.

SHASTA DAISY

(Hardy Perennial)

5234—Chrysanthemum Leucanthemum. A fine perennial plant, bearing large white, single blossoms, with yellow centers; an excellent cut-flower. Soak seed in warm water before sowing. Pkt. 15c; ¼-oz. 50c.

Paris Daisy or Margeurite: See Chrysanthemum Frutescens, page 33.

BRACHYCOME

(Half Hardy Annual)

Swan-River Daisy. Beautiful little, half-hardy annual; blooms all summer; fine for edgings and borders. Should be started in hotbed. 1 ft.

5284—Iberidifolia Mixed. Pkt. 10c; ¼-oz. 35c.

DIMORPHOTHECA

(Hardy Annual)

(African Orange Daisy)

Easily grown, hardy annual of great beauty; 12 to 15 ins. in height, and bushy.

5285—Aurantiaca. Orange; very fine. Pkt., 10c; ¼-oz., 25c.

5286—Transvaal Daisy (Gerbera Jamesoni) Half Hardy Perennial) Intense vermilion. Flowers 4 inches across on tall stems 18 inches high. Sow seed upright, stem end up, in box of peat and loam. Two plants from a package is a fair average. Do not over-water; very beautiful. Per pkt. 25c.

5298—Tall Double Stock Flowered. Finest mixed. Pkt. 10c; oz. 50c.

5299—Emporer. Branching, mixed. Pkt. 10c; oz. 50c.

WE PAY POSTAGE ON ALL FLOWER SEED

DATURA (Angel's Trumpet)

(Half Hardy Annual)

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given light soil and a sunny-sheltered position. Make grand plants for the greenhouse.

5287—Cornucopia (Horn of Plenty) Immense flowers, triplicate in form, like three cones, one within the other. Color rich violet, with white interior. Pkt., 10c.

5288—Golden Queen. Very large double bright yellow flowers, a fine pot plant. Pkt., 10c.

5289—Double Mixed. Pkt., 10c.

DELPHINIUM (Larkspur) Perennial

Profuse blooming plants, their tall spikes of many colored flowers produce a striking effect when planted in groups. Sow seeds in boxes indoors in early spring, transplanting to other flats when second leaf appears. When soil is warm, set in open ground 6 to 8 inches apart, resetting the next spring, giving rich soil and plenty of room. As a cut flower this is one of the best. Height 3 to 6 feet.

5290—Chinese Azure Fairy. Blue; fine for cutting. Pkt., 10c; ¼-oz., 50c.

5291—Chinese Blue Butterfly. Pkt., 10c; ¼-oz., 60c.

5292—Chinese Album White. Pkt., 10c; ¼-oz. 50c.

5293—Belladonna. Light blue. Pkt. 25c; ½-oz. 60c.

5294—Fermosum. Dark blue. Pkt. 10c. ½-oz. 60c.

5295—Cardinale. Brilliant scarlet. Pkt. 15c; ½-oz. 50c.

5296—Bellamosum. Same color as Fermosum, larger, not subject to blight. Pkt. 15c; ½-oz. \$1.25.

5296A—Zalil. 3 ft. Sulphur yellow. Seed germinates very slowly. Seeds, 25c per pkt.

5296B—Delphinium. Gold medal hybrids mixed. Pkt. 10c; ¼-oz. 50c.

LARKSPUR

(Annual)

The annual Larkspurs are quite hardy and bloom in the later summer months, furnishing flowers of striking beauty in form and color. Tall varieties are suitable for shrubberies and borders, while the dwarf sorts produce charming effects in beds. Height 1 to 2 feet.

5297—Dwarf Rocket. Finest colors. Double Mixed. Pkt. 10c; ¼-oz. 20c; oz. 50c.

5298—Tall Double Stock Flowered. Finest mixed. Pkt. 10c; oz. 50c.

5299—Emperor. Branching mixed. Pkt. 10c; oz. 50c.

5300—Giant Hyacinth-Flowered Mixed. 3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. Pkt., 10c; oz. 50c.

DIDISCUS (Lace Flower)

(Annual)

5301—Hugelia Coerulea. A rare lovely free-flowering half-hardy annual, growing about 18 inches high and branching nicely. Flowers light blue or lavender, very dainty and beautiful. Plants set in the garden bloom from June until late fall. Pkt. 10c.



ESCHSCHOLTZIA (California Poppy)

(Hardy Annual)

The California Poppy is an exceptionally bright and handsome flower. It adorns the fields and railway embankments. If your premises have a wild or uncultivated plot, by all means plant some Eschscholtzia seed. It grows easily and once seeded will reseed itself. Sow the wild sort by the pound over the hillside. Multiply the native flowers by the thousands. The leaves of Eschscholtzia are fine cut and feathery. Sow in the fall out in the open for the plants do not transplant well. Height, 1 to 1½ feet.

5303A—California. Large pale yellow. Pkt., 10c; oz., 35c; ¼-lb. \$1.00.

5304—Carmine King. Beautiful carmine rose color, both on the interior and exterior of the flower. Pkt., 10c; oz. 60c.

5305—Golden West. Flowers bright yellow and orange, penciled and blotched. Pkt., 10c; oz., 50c.

5306—Mandarin. Inner side of the petals orange, the outer side brilliant scarlet. Pkt. 10c; oz. 50c.

5307—Mikado. Flowers lustrous orange-crimson, very brilliant. Pkt., 10c; oz., 75c.

5308—The Geisha. Orange red outside, rich golden within. Pkt., 10c; oz., \$1.00.

5310—Double and Semi-Double Mixed. Pkt., 10c.

5311—Thorburni Coppery Orange. Pkt., 10c; oz., 75c.

5312—Brilliant Mixed. Pkt., 10c; oz., 50c.

EUPHORBIA

(Hardy Annual)

These are valuable for the showy variegation of the leaves. Plant seed early in May.

5313—Marginata (Snow on the Mountain). Of open free branching growth; 3 feet in height. The large dark green leaves are bordered with a broad band of snow-white. Pkt., 10c; ¼-oz., 25c.

5314—Heterophylla (Mexican Fire Plant) This plant is somewhat similar to the Poinsetta and produces large bracts of brilliant scarlet leaves on top of each spike. Grows quickly from seed sown in the open early in May. Height, 2½ to 3 ft. Pkt., 15c; ¼-oz., 45c.

EVERLASTINGS

Everlastings have become popular again; winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long cold winter when flowers are scarce, a bit of brightness for your own home. The drying is a simple operation. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

Annals

5674—Everlasting Flowers. All kinds mixed. Pkt. 10c.

5671—Acrolinium Roseum. 2 ft. Pkt., 10c.

5689—Ammobium Alatum Grandiflorum. 2½ ft. Pkt., 10c.

5341—Gomphrena (Globe Amaranth) Mixed, all colors. Pkt., 10c.

5347D—Helichrysum (Strawflower) 2 to 3 ft. Special Mixture. Pkt., 10c.

5546—Rhodanthe. 1 ft. Mixed colors. Pkt., 10c.

5601B—Statice Russian (Suworowi) Pkt. 10c.

5599A—Bonduelli. Pkt., 10c.

5599—Sinuata True Blue. Pkt., 10c.

5597—Sinuata White. Pkt., 10c.

5672—Xeranthemum Double Mixed. 2 ft. Pkt., 10c.

Perennials

5344—Gypsophila Paniculata Fl. Pl. (Baby's Breath) Pkt., 25c.

5395—Lunaria Biennis, Honesty or Peter's Pence. Pkt. 10c.

EVERLASTING (Continued)

(Perennial)

5601—Statice Latifolia (Sea Lavender) Pkt., 10c.

5674—Everlasting Mixed. 1 to 2 ft. Pkt., 10c.

All the Ornamental Grasses. See page 41.

FEVERFEW—See Matricaria.

FREESIA

(Perennial)

5314A—Refracta Alba. Pure white, extremely fragrant. Pkt. 10c.

FORGET-ME-NOT (Myosotis)

(Hardy Perennial)

These dainty little flowers love cool, moist soils, and, like pansies, bloom freely in fall and early spring. They make beautiful close borders, or edgings, and will bloom nicely in winter in a cool room or coldframe. They establish themselves by self-seeding. Sow in spring in a warm, sunny border. Most varieties bloom freely the first season and profusely the second. Average height, 6 to 12 in.

5315—Alpestris Victoria. Strong-growing; dwarf; flowers large, globular, sky-blue, abundant; fine for borders, pots or cutting. Pkt. 10c.

5316—Hybrida, Ruth Fischer. Pure Forget-me-not blue. Fine for cutting and for hanging baskets. Can be forced successfully and, owing to its extreme hardiness, it is valuable for spring bedding in open ground. Pkt., 25c.

5317—Palustris (True Forget-me-not) Dark blue; stems creeping at the base; blooms the second year abundantly all season; the best know of all. Pkt. 10c.

5318—Palustris semperflorens. Bright blue; a dwarf form of *M. palustris*, blooming from spring until autumn; foliage a good shade of green. Pkt. 10c.

5319—Alpestris. Of trailing habit, with pretty blue flowers. Pkt., 10c; ¼-oz., 40c.

FOUR O'CLOCK (Mirabilis)

(Hardy Annual)

Favorite half-hardy annual of the easiest culture and very suitable for large beds and borders. Called Four O'Clock because it opens its blossoms at that hour in the afternoon. Also known as Marvel of Peru. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and of various colors.

5319½—Tall Mixed. Pkt., 10c; ¼-oz., 25c.

5320—Dwarf Mixed. Pkt. 10c; ¼-oz. 25c.

FOXGLOVE (Digitalis)

(Hardy Perennial)

The tall flower-spikes of the Foxglove often 2 to 3 feet in height, are particularly handsome when grown among shrubbery or in bold masses, and as a background for lower-growing plants, they are very attractive. Hardy perennials, they are most satisfactory when treated as biennials. Sow the seed out of doors in spring and transplant the seedlings into their permanent places. They will bloom magnificently the following spring; give them a deep soil in partial shade.

5320—Digitalis Purpurea. Mixed, many colors. Pkt. 10c

5320A—The Shirley Hybrids. 6 to 7 ft. The flower heads are over 3 feet long covered with bell shaped blossoms. Colors range from white and shell pink to deepest rose. Many attractively dotted with crimson and chocolate. Pkt. 10c.

5321—Mixed Gloxinia Flowered. Pkt., 10c ¼-oz., 30c.

5322—Gloxinia Flowered Purple. Pkt., 10c; ¼-oz., 40c.

5323—Grandiflora Yellow. Pkt., 10c; ¼-oz., 50c.

5323A—Grandiflora, white. Pkt. 10c; ¼-oz. 25c.

5323B—Grandiflora, Rose. Pkt. 10c; ¼-oz. 25c.

GALLARDIA (Blanket Flower)

Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown. The individual flowers are of large size, very durable, and most brilliant in color; fine for bouquets. 2 to 3 ft.

5324—Grandiflora maxima. (Hardy Perennial) Golden yellow. 2 ½ ft. Pkt. 10c; ¼-oz. 25c.

5325—Picta. (Annual) Red and yellow; very brilliant. Pkt. 10c; ¼-oz. 25c.

5326—Picta, Lorenziana. (Annual) Double; mixed colors. Pkt. 10c; ¼-oz. 25c.

GENTIANA

(Perennial)

Showy hardy perennials, valued for their beautiful, intense blue flowers early in the season.

5327—Acaulis (Blue Gentian) Dark blue. 3 in. Pkt., 10c; ¼-oz. 50c.

GERANIUM

(Perennial)

Most valuable greenhouse plants, blooming continuously. For bedding in the outdoor garden nothing equals them. 1 ½ ft.

5328—Zonale. Scarlet. Pkt., 10c.

GEUM

(Perennial)

Handsome hardy perennials; bloom freely all season; fine for bouquets. 1 ½ ft.

5330—Lady Stratheven. The grand double flowers are a magnificent golden yellow; 2 ft. tall. Is a handsome Geum for beds or borders. Very free blooming. Pkt. 20c; ½-oz. 50c.

5331—Mrs. J. Bradshaw. Large; brilliant scarlet. Double flowers. Pkt. 10c; ½-oz. 25c.

GILIA

(Hardy Annual)

Pretty hardy annuals that bloom most freely and continually the whole season. Do finely in any situation; look well on lawn and in beds; are good for rockeries, and can be planted at any time. 1 ft.

5332—Dwarf Mixed. Pkt., 10c; ¼-oz., 25c.

GODETIA

(Hardy Annual)

Favorite, free-blooming, hardy annuals with widely opened flowers of satiny texture, and of the most delicate and lovely colors. They are beautiful for solid beds, border lines, pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seeds in the open border in spring, or in a cold-frame, and transplant seedlings to stand a foot apart in rather thin soil. Fine for cut flowers. Average height, 1 ft.

5333—Crimson Glow. Intense, dazzling crimson; fine compact grower; very floriferous. Pkt. 10c; ¼-oz. 25c.

5334—Duchess of Albany. Satiny white. Pkt. 10c. ¼-oz. 20c.

5335—Gloriosa (Lord Roberts) Darkest red; dwarf. Pkt. 10c; ¼-oz. 25c.

5336—Lady Albemarle. Dark crimson. Pkt. 10c; ¼-oz. 25c.

5337—Lady Satin Rose (G. Whitney compacta, Brilliant) Bright carmine. Pkt. 10c; ¼-oz. 25c.

5338—Rosamund. Large; glossy pink. Pkt. 10c; ¼-oz. 25c.

5339—Tall Mixed. Pkt. 10c; ¼-oz. 20c.

5340—Dwarf mixed. Pkt. 10c; ¼-oz. 25c.

GOMPHRENA

(Annual)

These well-known, hardy annuals are among the most popular of the Everlasting for dried winter bouquets; also well adapted for beds and edgings in the

garden. Their round heads of flowers are also called Bachelor Button.

5341—Globe Amaranth. 1 ft. Pkt. 10c; oz. 40c.

GOURDS

(Annual)

These are desirable in many places where an immense amount of vine is wanted quickly. The blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the large gourds may be used as dippers, sugar troughs and bowls. Height 20 feet.

5342—Calabash or Pipe Gourd. Pkt. 10c.

5343—Mixed Ornamental. Pkt., 10c.

GYSOPHILA (Baby's Breath)

Both the annual and perennial varieties are most easily grown; very graceful delicate flowers and foliage; fine for rockwork or shrubbery and bouquets. 2 ft.

5344—Elegans grandiflora alba. Large-flowering; white. Pkt., 10c; oz., 40c.

5345—Elegans rosea. Rose. Pkt. 5c; oz. 50c.

5346—Paniculata (Perennial) White; fine for bouquets. Pkt. 10c; ¼-oz. 25c.

5347—Paniculata (Perennial) fl.-pl. Fine clusters of double white flowers; rare; foliage very dainty and filmy; very fine for cutting. Pkt. 10c; ¼-oz. 60c.

HELICHRYSUM

(Annual)



A very beautiful annual everlasting flower, available in a wide range of colors. If cut before quite developed the flowers are very lasting.

5347A—Monstrosum, Golden ball. Pkt. 10c; oz. 60c.

5347B—Monstrosum. Fire ball. Pkt. 10c; oz., 60c.

5347C—Monstrosum. Silver ball. Pkt. 10c; oz. 60c.

5347D—Monstrosum. Finest Mixed. Pkt. 10c; oz. 40c.

HELIOTROPE

(Greenhouse Perennial)

These favorite greenhouse and bedding plants are highly valued for their scented flowers; succeed best in light but rich soil; bloom first season from seed. 1 ½ ft.

5347E—Madame Brunt, large-flowered, dark lilac, superb. Pkt., 15c.

5347F—Finest Mixed. Pkt. 10c; ½-oz. 25c.

HIBISCUS (Rose Mallow)

(Hardy Perennial)

Noble, shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut. Height 3 to 5 feet.

5347G—Mixed Mallow Marvels. Grand Assortment. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

HOLLYHOCK

(Hardy Perennial)

One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and reduce the damage by spraying the plants with Bordeaux mixture. 6-8 ft. August to September.

Double Varieties**5348—White****5352—Maroon****5349—Rose****5353—Black****5350—Salmon****5354—Yellow****5351—Crimson****5355—Blood Red**

Each color, pkt., 10c; **5356—Mixed** Pkt., 10c $\frac{1}{4}$ -oz., 50c.

5357—Newport Pink. The finest pure pink, exquisite shade. Pkt. 10c.

5358—Allegheny Mixed. Flowers come single, semi-double and double, seldom less than 5 inches across, and are beautifully fringed. They are perpetual bloomers, 2 to 4 buds forming at the base of every leaf, where the old-style Hollyhocks have but 1 or 2. These buds open in succession, prolonging the flowering season until autumn. Pkt., 10c; $\frac{1}{4}$ -oz., 40c.

Single Varieties

5359—Annual Single Varieties. Mixed Colors. Pkt. 10c.

HUMULUS JAPONICUS (Japanese Hop)

(Tender Perennial)

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it. Height 20 feet.

5360—Green Leaved. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5361—Variegated Leaved. The large, handsome leaves are beautifully variegated white, green and yellow. Pkt., 10c; $\frac{1}{4}$ -oz. 35c.

HELENEUM (Sneezewort)

Delightful perennials allied to the Helianthus (Sunflower) Splendid and lasting as cut flowers.

5361A—Riverton Gem. Height 2 to 3 feet. Covered from August to October with brilliant old gold and splashes of darker shades changing later to wallflower red. Pkt. 10c.

HEUCHERA (Alum Root)

They are of simplest cultivation and thrive well in ordinary garden soil. Their dainty sprays of rose carmine flowers make them invaluable for cutting.

5631—Sanguina. Height 2 ft. July and August. Long stems of large crimson scarlet flowers. Splendid for cutting. Pkt. 25c.

HYACINTH BEAN

(Annual)

5362—Dolichos Lablab. Rapid growing ornamental, climbing annuals, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods. Mixed. Pkt. 10c; oz. 20c.

HUNNEMANNIA

(Hardy Annual)

5363—Fumariaefolia (Bush Escholtzia, or Yellow Tulip Poppy) $1\frac{1}{2}$ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 in. across on stems 12 in long. The color is of a clear, bright yellow; the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

ICE PLANT

(Tender Annual)

5364—Mesebryanthemum Crystallinum. 6 in. Foliage very ornamental, being covered with ice-like globules and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c; $\frac{1}{4}$ -oz., 25c

JOB'S TEARS—See Coix Lachrymae.

INCARVILLEA

(Hardy Perennial)

5365—Delavayi (Hardy Gloxiania) 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny location. Seeds, 25c per pkt.

IPOMEA (Morning Glory)

(Annual)

5366—Imperial Japanese Morning Glories. The colors run from snow white through all possible shades of blue and red, from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. Pkt. 10c; $\frac{1}{2}$ -oz. 20c; 1 oz. 30c; $\frac{1}{4}$ -lb. 75c.

5367—Learii. Satiny blue with crimson bars. A good greenhouse climber. Pkt., 10c.

5368—Rochester. Flowers 4 to 5 in across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Pkt., 10c.

5369—Rubro-Coerulea (Heavenly Blue). Deep pure sky blue flowers, delicately shading to white toward the center. One of the most gorgeous blue flowers. Pkt., 10c

5370—Setosa (Brazilian Morning Glory) The stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about 9 inches across; flowers about 2 inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink and are followed by curious seed pods. Pkt., 10c.

CONVOLVULUS**5371—Major.** Tall Mixed. Pkt., 10c.**5372—Minor.** Dwarf Mixed. Pkt., 10c.**5373—Double Mixed.** Pkt., 10c.**IPOMEA (Moonflower)****5374—Ipomea.** Noctiflora Black Seed. Pkt., 10c.**5375—Ipomea.** Noctiflora White Seed. Pkt., 10c.**KOCHIA (Improved Summer Cypress) A**

A rapid-growing, hardy annual; foliage green, turning to fiery red in autumn; very ornamental on the lawn. 2 to 3 ft.

5376—Kochia Childsi (Giant Kochia) Pkt., 10c.**5377—Trichophylla.** Pkt., 10c; oz., 30c.**KOCHIA (Improved Summer Cypress)**

(Hardy Annual)

5378—Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk) 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

LANTANA

(Annual Pot Plant)

5379—Hybrida, Mixed. 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer, remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c; ¼-oz., 25c.

LARKSPUR—See Delphinium**LATHYRUS LATIFOLIUS**

(Perennial Sweet Pea)

These have not the fragrance of sweet peas, but bloom through a long season; are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc. 4 to 8 ft.

5380—Crimson. Beautiful shade. Pkt., 10c.**5381—Pink Beauty.** Blossoms white, veined, edged and shaded pink. Pkt., 10c.**5382—White.** Valuable for cut flowers. Pkt., 10c.**5383—Mixed.** Pkt. 10c; oz. 75c.**5384—Red.** Pkt., 10c.**LAVENDULA**

(Perennial)

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

5385—Vera (True Lavender) June-August. Blue. 2 ft. Pkt., 10c.**LILLIUM REGALE**

5385A—Royal Lily. The plants grow 4 to 6 feet tall, bearing immense blooms. They are paper white shaded with pink. It is a stately and most beautiful Lily, which is quite easily raised from seed. Pkt. 25c.

LINARIA (Toad Flax)

(Perennial)

Showy free flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

5386—Cymbalaria (Kenilworth Ivy) 3 in. Dainty lilac and orange; flowers throughout summer; training habit. Pkt., 10c.**LINUM (Flax)**

(Perennial)

5387—Perenne (Perennial) 2 ft. Pearly blue flowers. A graceful hardy perennial. Pkt. 10c.**5388—Album** (Perennial) Milk white flowers, very decorative. Pkt. 10c.**5389—Flavum.** (Perennial) 1 ft. Yellow. Pkt. 10c.**5390—Grandiflorum Rubrum (Crimson Flax)** Annual. 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt. 10c; ¼-oz. 20c.**LOBELIA**

The Erinus Varieties bloom very quickly from seed and flower all through the season. For beds, edgings, baskets and pots there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in

rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good winter conservatory plants of trailing habit. The perennial or tall varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping.

ERINUS VARIETIES

(Annual)

5391—Gracilis. Blue; trailing; beautiful for baskets. Pkt., 10c.**5392—Speciosa, Crystal Palace.** A favorite blue-flowered edging plant. 6 in. Pkt., 10c.**5393—Erecta, Crystal Palace compacta.** Dark blue; for bedding. 6 in. Pkt. 10c.**5391A—Lobelia Hamburgia.** Charming plant for hanging baskets, with dark foliage and light blue white-eyed flowers. Pkt. 10c.**PERENNIAL VARIETIES**

Standing bold and erect with its crimson-scarlet flowers, this handsome, native perennial Lobelia is invaluable for the border or grouping among evergreens. 2½ ft.

5394—Cardinals (Cardinal Flower). Pkt. 10c.**LUNARIA**

(Annual)

5395—Biennis (Honesty or St. Peter's Penny) Flowers purple, followed by silvery seed pods, prized for winter decoration. Seeds, 10c per pkt.**5396—Alba.** Pure white. Seeds, 10c per pkt.**5396A—Crimson.** Pkt., 10c.**LUPINUS**

Annual Varieties

These garden favorites are among the most beautiful of our hardy annuals; extremely varied in color, of the easiest culture, and bloom all summer. Splendid for beds, borders and back grounds. 2 to 3 ft.

5397—Mixed, Rose, Sky Blue. Pkt., 10c; ¼-oz., 30c.**5397A—Rose.** Pkt., 10c.**5397B—Sky blue.** Pkt., 10c.**5397G—Texas Blue Bonnet.** Subcarnosus (The Deep Blue Texan Lupine). Long spikes with large flowers of rich deep blue. It blooms profusely during June, July, and August; 18 inches tall. Pkt. 10c.**LUPINUS (Polyphyllus)**

(Perennial)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

5397C—Blue. 3 ft. Stately spikes of blue, flowers all summer. Pkt. 10c.**5397D—Albus.** Large, pure white spikes. Pkt. 10c.**5397E—Roseus.** 4 ft. Light and dark rose flowers on long stem; fine for cutting. Pkt. 10c.**5397F—Mixed.** Splendid value. Pkt. 10c.**LYCHNIS**

(Hardy Perennial)

Free-flowering, hardy perennials, with brilliantly colored flowers; excellent for massing in beds and borders.

5398—Haageana hybrids. Mixed, fine colors. 1 ft. Pkt. 10c.**5398A—Arkwrightii.** New. A cross between Chalcandia and Haageana. Height 2 to 3 ft. Rich effective colors. Pkt. 25c.



TALL AFRICAN VARIETIES

Splendid for cutting and decoration. Height 3 feet.

5401—Orange Ball. Enormous double flowers of rich deep golden orange. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

5402—Lemon Ball. Extra large double flowers of a clear canary yellow. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

5403—Eldorado. Double flowers of large size in all shades of yellow. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

5404—Tall African Mixed. All shades. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

DWARF FRENCH MARIGOLDS

These form small, compact bushes about 12 inches high, covered with smaller but very rich colored flowers. Fern-like foliage.

5405—Dwarf Golden. Flowers ball-shaped, pure golden yellow. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

5406—Dwarf Brown. Rich reddish-brown or mahogany marked with orange; double. Pkt. 10c; $\frac{1}{4}$ -oz. 30c.

5407—Dwarf Gold Striped. Very double, mahogany red, striped with gold. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

5408—Dwarf French Mixed. All shades. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

MALOPE (Mallow-Wort)

(Hardy Annual)

Showy plants for large mixed flower and shrubby borders. The flowers are large and handsome. Height 2 ft.

5399—Finest Mixed. Pkt., 10c.

MATRICARIA

(Perennial)

5415—Capensis Fl. Pl. (Feverfew) 3 ft. Neat small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

MAURANDIA

(Greenhouse Perennial)

5416—Mixed. 10 ft. Slender grower and abundant bloomer. Very desirable for greenhouse and garden. Elegant Gloxinia-like flowers, which range through white, rose, blue and purple in color. Pkt., 10c; $\frac{1}{4}$ -oz., 50c.

MIGNONETTE (Reseda odorata)

(Annual)

Seed of this popular, hardy annual can be sown at any time, and if successive sowings are made its fragrant, modest-colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings

MARIGOLD

(Tagetes)

(Hardy Annual)

The African and French Marigolds are old favorite free-flowering annuals of easy culture; both are extremely effective. The African have uniformly large yellow or orange-colored flowers, and are well adapted for large beds or mixed borders; the French are dwarfer in growth, with beautifully striped flowers, and better suited for low beds or borders; they succeed best in a light soil, with full exposure to the sun. A vase or bowl of any of the rich yellow sorts, in combination with a few blue Larkspurs or Cornflowers, is very striking.

DWARF FRENCH SINGLE

5414—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

5410—Signata Pumila. A miniature Marigold, forming compact little plants 6 to 8 inches high, and completely covered with flowers, which are bright yellow with brown stripes down the center of each petal. Very striking for edgings. Sow the seed in spring in boxes and transplant. Pkt., 10c.

FRENCH TALL DOUBLE

5411—Striped Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

5412—Finest Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

5413—Electric Light, Double Legion of Honor. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

We carry a stock of fine healthy plants in season.

to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. The July sowing will make good winter-flowering plants. 1 ft.

5417—Reseda Odorata Grandiflora (Sweet Mignonette) Pkt., 10c; oz., 25c.

5418—Golden Queen. Golden yellow. $\frac{1}{4}$ -oz., 25c; Pkt., 10c.

5419—Goliath. Red; enormous spikes; striking; very sweet-scented. $\frac{1}{4}$ -oz. 35c; Pkt. 10c.

5420—Machet Dwarf Deep Red. Pkt., 10c.

5421—Dwarf Machet Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

MIMOSA (Sensitive Plant)

(Half Hardy Annual)

A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched. 1½ ft.

5422—Pudica. $\frac{1}{4}$ -oz., 25c; Pkt., 10c.

MIMULUS

(Annual)

5423—Moschatus (Musk Plant) Musk-scented leaves, tiny yellow flowers. Pkt., 25c.

5424—Tigrinus (Monkey Flower). 10 in., Queen's Prize, Single Mixed. Dwarf bushy plants, with large Gloxinia-like flowers, ranging in color through white, pale yellow, golden, flesh, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt. 10c.

NASTURTIUM Annual



- 5425—Beauty. Yellow and scarlet. Pkt., 10c.
 5425A—Aurora. Chrome yellow blotched crimson.
 5426—Chameleon. Mottled crimson, bronze and yellow; very fine. Pkt., 10c.
 5427—Empress of India. Deep crimson; fine dark foliage. Pkt., 10c.
 5428—Golden Cloth. Golden yellow leaves; scarlet flowers. Pkt., 10c.
 5429—King of Tom Thumbs. Scarlet; fine color. Pkt., 10c.
 5430—King Theodore. Black, velvety; darkest of all. Pkt., 10c.

NEMOPHILA

(Annual)

Very pretty, dwarf-growing hardy annuals of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings, rockeries or beds; moist soil and partial shade is favorable for them. 1 ft.

- 5445—Finest Mixed. Pkt., 10c; oz., 50c.

NIGELLA

(Hardy Annual)

Nigella (Love-in-a-mist, or Devil-in-a-Bush) Compact growing, free flowery plants with curious looking, showy flowers and finely cut foliage. Colors blue and white. Sow about April and thin to 8 to 10 inches.

- 5451—Mixed Colors. Pkt., 10c; oz., 35c.
 5452—Miss Jekyll. Cornflower blue. Pkt. 10c; oz. 50c.

ORNAMENTAL GRASSES

5453—Ornamental Grasses Mixed. 2 to 5 ft. These are most useful for winter bouquets when combined with everlasting flowers. They are easily grown in any soil. Pkt., 10c.

- 5020—Briza, Maxima (Large Quaking Grass) Pkt. 10c.
 5021—Briza, Minima (Small Quaking Grass) Pkt. 10c.
 5022—Eulalia Japonica (Japanese Eulalia) Charming giant grass, very handsome as single specimens. Pkt. 10c.
 5023—Japonica Zebrena. White striped foliage. Very ornamental. Pkt. 10c.
 5024—Gynierum Argenteum. Pkt. 10c.
 5025—Pennisetum, Longystilum. Pkt. 10c.
 5257—Coix Lachryma (Job's Tears) Pkt. 10c.
 Dwarf Tom Thumb—Tropaeolum Nanum

These have neat, compact habit and attractive foliage; they bloom in two months from sowing, and most profusely the whole season; 1 ft.

5431—Lady Bird. (Spencer) Golden yellow, spotted red brown; foliage light green. Pkt., 10c.

5432—Vesuvius. Salmon, dark leaved. Pkt. 10c; oz. 20c.

5432A—Golden King. Pure golden yellow. Pkt. 10c; oz. 20c.

5433—Prince Henry. Pale yellow, speckled and marbled with scarlet. Pkt. 10c; oz. 20c.

5433A—Ruby King. Ruby red, dark leaved. Pkt. 10c; oz. 20c.

5434—Mixed, All Sorts. Oz., 15c; ¼-lb., 50c; ½-lb., 90c; lb., \$1.75.

Tall or Climbing—Tropaeolum Majus. Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot plants for wintering, as screens, or as trailers for hanging baskets and vases; 8 to 12 ft.

5435—Dark Crimson. Pkt. 10c; oz. 20c.

5436—Jupiter. Giant flowered; beautiful golden yellow. Pkt. 10c; oz. 20c.

5438—King Theodore. Black. Pkt., 10c.

5439—Scarlet. Pkt. 10c; oz. 20c.

5440—Pearl (Moonlight). Creamy white. Pkt. 10c; oz. 20c.

5441—Fine Mixed. Pkt., 10c; oz., 15c; ¼-lb., 50c; ½-lb., 85c; lb., \$1.50.

LOBB'S CLIMBING—Tropaeolum Lobbianum.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb high and bloom brilliantly. Average height, 6 ft.

5442—Finest Mixture. Oz. 15c; Pkt. 10c; ¼-lb. 50c.

NEMESIA

(Hardy Annual)

Free blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches, where they are intended to flower.

5443—Large Flowered Mixed. 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt. 10c; ½-oz. 35c.

5444—Blue Gem. One of the best blue annuals for bedding; 7 inches. Pkt., 10c.

NICOTIANA

(Sweet Scented Tobacco Plant)

(Annual)

An effective annual of easy culture.

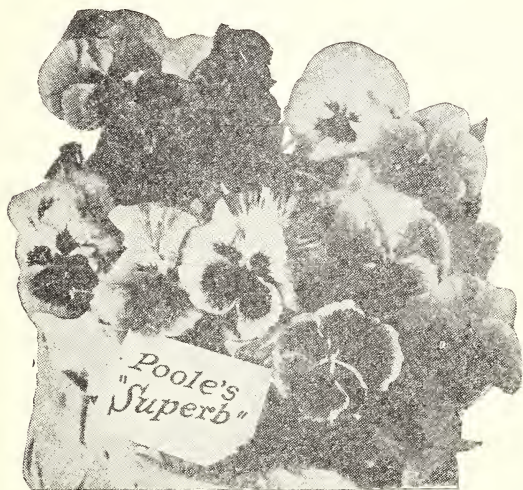
5446—Affinis Tuberosa-flowered Tobacco. Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, 2 to 3 feet high; carry their flowers in clusters. Delightfully sweet-scented. Sow seed in boxes or pans in the early spring, and protect from frost and cold winds. Plant out as soon as all danger of frost is over. Pkt., 10c.

5447—Affinis Hybrida. Splendid hybrids in blue, red and rose shades. Pkt. 10c.

5448—Sanderæ. A lovely hybrid tobacco of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers. Pkt., 10c.

5449—Sylvestris, 4 ft. A noble-looking plant of pyramidal habit, with long, tubular pure white flowers, borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening. Pkt., 10c.

POOLE'S GIANT PANSIES



5454—Poole's International Mixture. This is and always has been, literally, a World's Best Mixture. Composed of well-rounded, perfect shaped flowers of a wide range of coloring and markings have thick velvety petals with fluted or semi-double edges, standing erect on good stiff stems with a good healthy growth of plant. While every solid color is represented, there are also all the possible variations of each one of these. Pkt., 25c.

5455—Bath's Empress. A wonderful type of pansy from England. Pkt., 25c.

5456—Odier, Cassier and Bugnot, Mixed. An extremely rich, large flowered mixture. Pkt., 25c.

5457—Non Plus Ultra. A very rich mixture, largely made up of Cassier and Trimardeau varieties. Pkt., 15c.

PHLOX DRUMMONDI (Flame Flower)

(Annual)

The hardy annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easy to grow from seed, so pretty and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. There are few desirable colors beyond their range, and if given a good soil and plenty of water, they will furnish a long supply of delicate flowers. For pot culture dwarf varieties are valuable and as an undergrowth for tall, bare stemmed plants they are also valuable. The first sowing should be made as soon as the frost is out of the ground in spring, later ones in May, either where the plants are to bloom, or in a seed-bed, as the Phlox transplants readily. In transplanting set the taller kinds about a foot apart; if planted too thickly they suffer from mildew. Cutting away the flowers and seed pods makes the plants more bushy and compact, and lengthens their blooming time. Average height, 1 ft.

5499—Grandiflora Alba. Pure white flowers borne in profusion all summer. Pkt., 10c.

5458—Azure-Blue. Very fine color. Pkt., 10c.

5459—Black. (Faust; King of the Blacks) Almost coal black. Pkt., 10c.

5460—Bronze. Golden bronze. Pkt., 10c.

5461—Cardinal. Brilliant red; very fine. Pkt. 10c. ---

5462—Emperor William. Splendid; ultramarine blue; very showy. Pkt., 10c.

5463—Peacock. Large, peacock-blue flowers, edged with white. Pkt. 10c.

5464—Snow Queen. (Candissima) Pure satiny white. Pkt., 10c.

5465—Yellow Maroon Eye. Large flowers of distinct coloring. Pkt. 10c.

5466—Trimardeau Giant. Mixed. Pkt. 10c.

5467—Fine Mixed. Pkt., 10c.

5468—Masterpiece (New Giant Curled or Spencer Pansies). The petals are crimped and curled so the flowers appear double. Pkt., 25c; ½-oz., 70c.

5469—Mastodon. Private stock mixed. Pkt., 25c.

5470—Giant Adonis. Light blue, with dark blue face. Pkt. 10c.

5471—Golden Gem. Pure yellow. Pkt., 10c.

5472—Gold Margined. Pkt., 10c.

5473—Dark Blue Early Flowering Giant. Pkt. 10c.

5474—Fancy Striped. Elegantly striped, splashed, and mottled, a very curious combination of colors that cannot fail to excite astonishment. The flowers are large and freely produced and the habit of the plant dwarf and compact. Pkt. 10c.

5475—Violet Blue. A very pleasing shade. Pkt. 10c. ½-oz., 40c.

5476—Madam Perret. A splendid giant-flowered strain comprising all shades of red from light rose to dark purple, some of them finely striped. Pkt. 10c.

5477—Snow Storm. Early flowering giant. Pkt. 10c.

5500—Chamois-Rose. A soft shade. Pkt., 10c.

5501—Isabelina. Yellow. Pkt., 10c.

5502—Kermesina Splendens. Vivid crimson; extra large flowers. Pkt., 10c.

5503—Stellata Splendens. Star-like; crimson. Pkt., 10c.

5504—Mixed. Splendid large flowering sorts. Pkt., 10c; ¼-oz. 50c.

5505—Semi-Double Varieties Mixed. Pkt. 10c; ¼-oz. 60c.

5506—Nana Compacta Dwarf. 8 in. These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

Mixed Pkt. 10c; ¼-oz. 60c.

STAR PHLOX

5508—Cuspidata. Star-shaped; many colors. Pkt., 10c.

PERENNIAL PHLOX

This hardy sort makes bushes about 3 feet high bearing large heads of finely colored flowers.

5509—Decussata Mixed. Pkt., 10c.

WE PAY POSTAGE ON ALL FLOWER SEED

PETUNIA (HALF HARDY ANNUAL)

PETUNIA (Hybrida)

During the whole season it is covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. The flowers are of an almost infinite variety of colors and markings, and quite as varied in form; large and small, fringed and plain, double and single. Hardy Annual. Sow seeds very thinly indoors under glass. Care should be taken to save the weaker seedlings as they produce the finest flowers. Transplant to garden when soil is warm. Height 1 to 1½ feet.

5482—Single Choicest Mixed. Pkt. 10c.

5483—Double Choicest Mixed. Pkt. 35c.

5484—Single Fringed. Finest Mixed. Pkt., 25c.

5486—Giants of California. Choicest Mixed. Pkt., 25c.

SINGLE BEDDING VARIETIES

Smaller flowered sorts, found most valuable for beds and masses. 1 ft.

5487—Countess of Ellesmere. Dark rose, with fine white throat. Pkt., 10c.

5488—Howard's Star. Rich crimson; distinct white star in center; very showy and attractive. Pkt., 10c.

PASSIFLORA

(Half Hardy Annual)

5478—Coerulea Grandiflora (Passion Flower). 15 ft Southern Beauty. A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and skyblue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.

5479—Mixed, all colors. Pkt., 10c.

PENTSTEMON

(Perennial)

Beautiful herbaceous perennials; very hardy and free flowering; fine for beds and borders or rock gardens; excellent cut flowers.

5480—Sensation. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year,

5489—Rosy Morn. Bright, rosy pink, with white throat; very charming, compact, and free flowering; for bedding. Pkt., 10c.

5490—General Dodds. The large and well-shaped crimson flowers are borne continuously throughout summer and fall. Pkt., 10c.

DWARF PETUNIAS

This beautiful type is particularly well suited for solid beds or borders. The plants form neat round bushes which are literally covered with thousands of flowers, beginning to bloom in June and lasting until frost.

5492—Snowball. Neat and compact bushes of bright green leaves covered with a mass of small white star-shaped flowers. Snowball looks particularly well in solid beds. Pkt., 10c.

5493—Inimitable. The white flowers are attractively starred and striped with contrasting rich crimson. Pkt. 10c.

5494—Violacea, (New) deep violet, fine. Pkt., 10c.

5495—Rose of Heaven. Very dwarf, rose pink. Pkt., 10c.

5496—Balcony Petunias. Mixed. Pkt., 10c.

5497—Balcony Blue. Pkt., 10c.

producing large spikes of handsome flowers. Often two inches across and in the most brilliant and varied colors. Pkt., 25c.

5481—Large Flowering Newest Hybrids. A splendid assortment of colors. Pkt., 15c.

PERILLA

(Half Hardy Annual)

An ornamental-leaved, half-hardy annual; for ribbon-gardening and beds; resembles the coleus, 1½ to 2 ft.

5498—Nankinensis. Dark, bronzy purple foliage. Pkt., 10c; ¼-oz. 20c.

PHYSALIS

5498A—Franchetti (Chinese Lantern Plant) Height 1½ ft. Flowers yellow with white center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese lanterns. Pkt. 10c.

PINKS (Dianthus)

Nothing is prettier or more satisfactory than old-fashioned Japanese Pinks. They should be in every garden. They are hardy, about 1 foot high, and bear beautifully colored single and double blossoms in profusion all summer. Sow seed early in boxes and transplant, or sow in rows where the plants are to remain and thin. See also Carnation.

5510—Chinensis Type. Single Mixed. Pkt., 10c. ¼-oz., 25c.

5511—Double Mixed. Pkt. 10c; ¼-oz. 25c.

HEDDEWIGHI

(Annual)

5512—Crimson Belle. Single deep crimson. Pkt., 10c; ¼-oz. 35c.

5513—Eastern Queen. Single rose. Pkt., 10c; ¼-oz., 25c.

5515—Fireball. Double deep scarlet. Pkt. 10c; ¼-oz. 50c.

5516—Salmon King. Double salmon. Pkt. 10c; ¼-oz. 50c.

5517—Snowball. Double white. Pkt. 10c; ¼-oz. 65c.

5518—Finest Double Mixed. Pkt., 10c; ¼-oz., 30c.

5519—Finest Single Mixed. Pkt., 10c; ¼-oz., 25c.

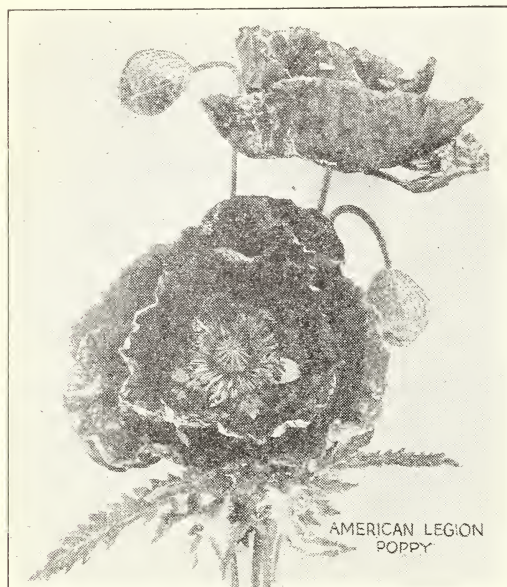
5520—Double Imperial Mixed. Pkt., 10c; ¼-oz., 25c.

5521—Plumarius, Double Mixed (Clove pink) Pkt., 10c; ¼-oz. 75c.

5522—Laciniatus Double Mixed. Fringed. Pkt., 10c; ¼-oz. 50c.

5522A—Laciniatus. Finest mixed single fringed pink. Pkt. 10c.

POPPIES



PAPAVER (Poppy) Perennial

5533—Nudicaule (Iceland Poppy) 15 in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Pkt. 10c; ½-oz. 25c.

5534—Brateatum. 3 ft. Scarlet. Pkt., 10c; ¼-oz., 50c.

ORIENTALE (Oriente Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders, while for cutting they are invaluable. Height 3 feet.

5535—Annual Oriental. A new strain of the Oriental Poppy, which will bloom the first year if sown early. Pkt. 10c; ¼-oz. 50c.

5536—Oriental Red. (Perennial) Very striking color. Pkt. 10c; ¼-oz. 50c.

PORTULACA (Rose Moss) (Annual)

Brilliant dwarf annuals, only six inches high, luxuriating in warm situations and blooming profusely from early summer to autumn. For low beds and masses of color from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, white, striped, etc.

5537—Single Mixed. Pkt., 10c; ¼-oz., 40c.

5538—Double Mixed. Pkt., 10c; ¼-oz., \$1.00.

PRIMROSE (Evening Primrose) (Hardy Annual)

The *Oenothera* or Evening Primrose blooms all summer very freely; the bright, poppy-like flowers open early every evening and last well into the next day; of the easiest culture in sunny situations.

5539—*Oenothera*, Mixed Annual Varieties. Pkt., 10c; oz., 25c.

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

ANNUAL POPPIES

5523—Flanders Poppy. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Was the first official flower of the American Legion. Pkt., 10c; ½-oz., 25c; 1 oz., 40c.

5524—Tulip (*Glaucum*) Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c; ¼-oz., 25c.

5525—Shirley Mixed. Beautiful shades in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Pkt., 10c; oz., 30c.

5526—Eldorado. 2 ft. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Pkt., 10c; ¼-oz., 25c.

5527—Eldorado Salmon Shades. 2 ft. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Pkt. 15c; ¼-oz. 35c.

5528—American Flag. Flowers very large, snow white, scarlet bordered. Pkt., 10c; ¼-oz., 25c.

5529—Double Mixed. Many kinds and colors. Pkt., 10c; ¼-oz. 15c.

5530—Double Blood Red. Pkt., 10c; ¼-oz., 25c.

5530A—Double Bright Rose. Pkt., 10; ¼-oz., 25c.

5531—Double Paeony Flowered. Finest mixed. Pkt., 10c; ¼-oz. 15c.

5532—Single Shirley. (AMERICAN LEGION) Brilliant orange scarlet. Pkt. 10c; oz. 50c.

PRIMULA (Chinese Primrose) (Perennial)

Primula or Chinese Primrose, stands in the first rank among greenhouse plants, and is fine for winter and spring blooming. It is free-flowering and is especially valuable for cut-flowers and for house and window culture. A cool place suits it best. Sow seeds in drills in a light, rich soil, in shallow boxes, at any time from the middle of March to the end of May; the earliest sown seed will naturally produce the earliest bloom. Cover the seed about ½ inch and press the soil. Average height, 9 inches.

5540—*Malacoides*. 10 in. (Greenhouse Perennial) The flowers are of delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt. 25c

5541—*Vulgaris*. (Hardy Perennial). Yellow, common English Primrose. Pkt. 10c.

5542—*Auricula*. (Perennial) The Primrose of the Alps. Flowers variously colored, mostly yellow; fragrant. Seed selected from selected strain. Pkt. 15c.

PYRETHRUM

(Annual)

5543—Aureum Golden Feather. 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c; ¼-oz. 25c.

PYRETHRUM ROSEUM (Painted Daisy)

(Perennial)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink.

5544—Double Mixed. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Pkt., 25c.

5545—Single Mixed. Pkt. 10c; ¼-oz. 25c.

RANUNCULUS (Buttercup)

(Annual)

Well known double yellow Buttercup. Effective either as a cut flower or grouped in the hardy borders.

5545A—Asiaticus. Flowers in May, variable in color, generally double in form. Pkt. 10c; ¼-oz. 50c.

RHODANTHE

(Half Hardy Annual)

Beautiful, delicate-looking Everlasting flowers, much prized for winter bouquets. These half-hardy annuals are also valuable garden plants. Glauous gray foliage. 1 ½ ft.

Annual. The pick of the Australian flora in Everlasting flowers. Immense favorites.

5546—Maculata. Bright rose, with dark center. Pkt., 10c; ¼-oz. 35c.

5547—Maculata alba. Large; pure white. Pkt. 10c. ¼-oz. 25c.

5447A—Finest Mixed. Pkt. 10c; ¼-oz. 25c.

RUDBECKIA

(Hardy Perennial)

(Golden Glow—Newman) Brilliant orange, yellow petals around a large dark center. Useful for borders or a single group. Sow seed in a sheltered location and transplant when a few inches high. Height 4 to 6 feet.

5548—Fulgida. Orange yellow, perennial. Pkt. 10c.

5549—Large Flowered Yellow. Pkt., 10c.

SALPIGLOSSIS (Painted Tongue)

(Half Hardy Annual)

These showy, half-hardy annuals bear beautiful funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich sandy loam and will respond to liberal treatment. Bloom from late summer until frost. 2 ft.

5554—Grandiflora, Extra-Choice, Mixed. A fine assortment of colors. Pkt., 10c; ¼-oz., 25c.

5555—Grandiflora superbissima (Emperor) Mixed. Finest strain of very large flowers. Pkt., 15c; ¼-oz., 50c.

5556—Tall Mixed. Pkt., 10c.

5557—Dwarf Mixed. Pkt., 10c.

5558—Gloxiniiflora Mixed. 2 ½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt. 15c; ¼-oz. 50c.

5558A—Tall blue and gold shades. Mixed. Pkt. 10c; ¼-oz. 50c.

SALVIA (Flowering Sage)

(Hardy Annual)

Very ornamental; flowers borne in spikes of fiery red or crimson and continue bloom in open ground until after severe frosts. Start in heat and transplant into light soil, one to two feet apart. Excellent for bedding in masses or single planting. Hardy annuals.

5550—Salvia Zurich. New dwarf early. The finest of all dwarf Salvias. Free flowering. Pkt. 10c.

5551—Bonfire (Clara Bedman.) One of the finest Salvias ever introduced; compact bush about two feet in height and diameter. Its erect spikes of flowers of brilliant scarlet stand clear above the dark green foliage and completely cover the plant. Pkt., 10c.

5552—Splendens, grandiflora, Scarlet. A rich-flow-ered bedder; long spikes. 3 ft. Pkt., 10c.

5553—Ball of Fire. Very dwarf and compact, ball-shaped variety, especially suitable for pot culture. The plants are about 2 feet high to the top of the flower-spikes, and about the same in diameter. Color dull red; large spikes. Pkt. 10c.

SAPONARIA

(Hardy Annual)

5559—Vaccaria Rose. 2 ft. In the Parisian flower markets this Saponaria is one of the special favorites. The light graceful sprays of glistening flowers are produced in greatest profusion. It is so valuable for vase decoration that successional sowings should be made. Charming pot plant for greenhouses. Pkt., 10c; oz., 50c.

SCABIOSA (Mourning Bride)

(Annual)

Commonly known as the Pincushion plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off it will last through the whole summer.

TALL LARGE FLOWERING DOUBLE**5560—Snowball.****5561—Fiery Scarlet.****5562—Azure Fairy.****5563—Black Prince.****5564—Rose.**

Each of above, per pkt. 10c.

5565—Mixed. Pkt. 10c; ¼-oz. 25c.**5566—Dwarf Mixed Double.** Pkt., 10c; ¼-oz., 25c.

5567—Caucasica. (Perennial) Flowers on long stems; fine for cutting. Pkt. 15c.

SCHIZANTHUS (Butterfly Flower)

(Annual)

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

5568—Grandiflorus Hybrids. A grand strain bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Pkt., 25c.

5569—Wisetonensis. 1 ½ ft. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronze brown center. Pkt., 10c.

5570—Mixed. All colors. Pkt., 10c; ¼-oz., 25c.

5571—Rose and Amber Shades Mixed. Pkt., 10c.

SNAPDRAGON (*Antirrhinum*)

For early flowers, sow under glass in February or March and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year. Average height, 2 ft.

TALL, LARGE-FLOWERING VARIETIES

- 5575—Blood-Red. Fine color. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.
 5576—Firefly. Scarlet and white. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.
 5576A—Dark Scarlet. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.
 5577—Garnet. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5578—Coral Rose. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.
 5579—Orange Beauty. Very large flowering, lovely orange-scarlet with gold tip. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5580—Queen Victoria. Pure white. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5581—Rose. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5582—Venus. Delicate pink, with white throat. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5582A—Scarlet Defiance. Pkt. 15c; $\frac{1}{4}$ -oz. 40c.
 5583—White. Beautiful for cutting. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5583A—Yellow. A pure soft color. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.
 5584—Large-flowered, Mixed. Fine. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

SILENE (Catchfly)

(Hardy Annual)

Bright-colored and freeflowering hardy annuals, suitable for rockwork or garden beds and borders, blooming all summer; succeed finely in any light, loamy soil. 1 ft.

- 5572—Pendula. Red. Pkt., 10c.
 5573—Mixed. Pkt., 10c.

SMILAX

(*Medeola Asparagoides*—Greenhouse Perennial)

5574—A well known greenhouse climber, with small, dark green foliage; of great value in floral work; 8 ft. Pkt., 10c; $\frac{1}{4}$ -oz., 25c.

STATICE

(Sea Lavender) Pretty plants for the summer garden in beds or borders; good for rockwork also; much valued when dried as Everlastings for winter bouquets. 1 to 2 ft.

ANNUAL VARIETIES

- 5596—Sinuata. Blue; very fine. Pkt. 10c; $\frac{1}{4}$ -oz. 20c.
 5597—Sinuata Candidissima. White; fine for edging. Pkt. 10c; $\frac{1}{4}$ -oz. 20c.
 5598—Sinuata Rosea Superba. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.
 5599—Sinuata True Blue. A nice blue quite distinct from the blue offered in the general list which is more of a lavender. Pkt. 10c; $\frac{1}{4}$ -oz. 30c.
 5599A—Bondevelli. Bright yellow. Pkt. 10c; $\frac{1}{4}$ -oz. 20c.
 5600—Sinuata, Lavender. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.
 5600A—Choice Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 25c.
 5601—Russian (Suworowi) 1 ft. Flowers bright rose color; valuable for winter bouquets. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.



SEMI-DWARF VARIETIES

Plants of this section make excellent bedders, as they bloom extra profusely and are only about 15 inches high.

5585—Cottage Maid. Pale coral pink, white throat. Pkt. 10c; $\frac{1}{4}$ -oz. 40c.

5585A—Philadelphia Pink. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5586—Crimson King. Bright crimson; a deeper color than Scarlet King. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.

5586A—Nelrose. Silvery pink. fine for floral cutting. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5587—Golden Beauty. Large, sturdy spikes; rich golden yellow. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.

5588—Queen of the North. Pure white; small-leaved. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.

5589—Rose Dore. Pretty, self-colored salmon-rose. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.

5590—Rose Queen. Rich rose. Pkt. 10c; $\frac{1}{4}$ -oz. 60c.

5591—Fine Semi-Dwarf Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.

DWARF LARGE-FLOWERING

5592—Rose. Charming shade of old rose. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5593—White. Flowers in greatest profusion. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5594—Finest Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.

5594A—Silver Pink. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5595—Pink Perfection. The spikes are perfectly balanced; the flowers are a beautiful shade of pink, described as Hermosa Pink, slightly suffused with salmon. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.



PERENNIAL VARIETIES

5601A—Caspia. The multitude of small flowers composed in spikes of a height of 2 to 3 ft. are of a tender lilac color. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5601B—Latifolia. 2 ft. Dense branching plumes of deep blue flowers. Pkt. 10c; $\frac{1}{4}$ -oz. 60c.

STOCKS (Matthiola)

(Annual)

Stocks are unsurpassed for bedding, edging, pot culture and for cutting. Fore fine early flowers sow under glass in March or April, transplanting the seedling when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May transfer to garden beds of deep, rich soil, setting the plants a foot apart. Transplanting several times in the early stages of growth tends to make them more dwarf and compact. For late flowers sowings may be made in the open ground in May.

TEN WEEKS STOCKS

Dwarf Large-flowering—Long, splendid spikes; large, double flowers.

5602—Bright Red. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5603—Carmine. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5604—Crimson. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5604A—Lavender. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5605—Dark Blue. Beautiful. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5606—Light Blue. Exquisite. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5607—Rose. Very dainty, light color. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5608—Snow-white. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5609—Violet. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5609A—Wallflower Leaved. Mixed. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5610—Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5610A—Aurora, cream pink. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5610B—Flesh Color. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

PERPETUAL OR BRANCHING STOCKS

(Cut and come again)

5611—Princess Alice. White, large spikes; popular variety for cutting. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5612—Creole. Canary yellow. Pkt. 10c.

5613—May Queen. Pale blue. Pkt. 10c.

5614—Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 50c.

5615—Beauty of Nice. (Biennial) A beautiful flesh pink. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

5616—Crimson King. (Biennial) Splendid crimson. Pkt. 10c.

5617—Summer Night. (Biennial) Dark blue. Pkt. 10c. Pkt. 10c; $\frac{1}{4}$ -oz. 20c; 1 oz. 50c.

MATTHIOLA BICORNIS

5618—Evening-scented Stock. 15 in. The flowers in the morning, evening and after a shower emit a delicate perfume perceptible at a considerable distance. Pkt. 10c; $\frac{1}{4}$ -oz. 20c; 1 oz. 50c.

STOKESIA (Cyanea)

5619—(Cornflower Aster) A hardy perennial, 2 feet high, and bearing large blue flowers on long stems. Blooms freely all summer and fall, and is of easy culture, but is hard to start from seed. Pkt., 10c.

SUNFLOWER (Helianthus)

Hardy annuals, growing from 3 to 6 feet high. Of the easiest culture and suitable for a stately row or background. Plant when the ground is well warmed, in light or sandy soil.

5620—Argyrophyllus (Texas Silver Queen) Has handsome silvery foliage and a profusion of small, elegant single flowers. 4 ft. Pkt., 10c; $\frac{1}{4}$ -oz., 15c.

5621—Cucumerifolius. Of pyramidal growth; small, bright orange, single flowers. 3 ft. Pkt., 10c; $\frac{1}{4}$ -oz., 20c.

5622—Globe-flowered. Ball-shaped; blooms late. 3 ft. Pkt., 10c; $\frac{1}{4}$ -oz., 15c.

5624—Dwarf Red. Pkt. 10c; $\frac{1}{4}$ -oz. 20c.

5625—Double California. Dark yellow. 5 ft. Pkt., 10c; $\frac{1}{4}$ -oz. 15c.

SUNFLOWER (Continued)

5626—Chrysanthemum-flowered. Large, densely double, bright golden-yellow flowers. The plant branches and affords fine, long, stout stems for cutting. This is the best variety in existence. Height, 6 to 8 feet. Pkt., 10c; oz., 35c.

5626A—Perennial Varieties Mixed. Pkt. 10c.

SWEET ROCKET HESPERIS

(Perennial)

5627—Spring-flowering, hard herbaceous perennials; fragrant; easily grown in light soil; transplant frequently; very free-blooming. Pkt., 10c; $\frac{1}{4}$ -oz., 30c.

SWEET WILLIAM

(Hardy Biennial)

SWEET WILLIAM—*Dianthus Barbatius*. Remarkably free-flowering plant of brilliant colors, ranging from snow white to darkest crimson and purple, and emitting a very delicate and refreshing fragrance. May be sown in open and thinned to 6 to 8 inches. Height 1 to 1 $\frac{1}{2}$ feet.

5628—Single Mixed. Very beautiful. Pkt., 10c; $\frac{1}{2}$ -oz., 50c.

5629—Pink Beauty. Pink. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5630—Coppery Red. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5631—Pure White. Double. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5632—Double Mixed. Pkt., 10c; $\frac{1}{2}$ -oz., 35c.

5633—Scarlet Beauty. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5634—Double Blood Red. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

5634A—Dunnet, crimson. Pkt., 10c.

THUNBERGIA

(Annual)

THUNBERGIA—Black Eyed Susan. Rapid-growing annual climbers; splendid for trailing over trellises, fences, etc., buff, white, orange, etc., four to six feet high. Grows readily from seed sown in the open.

5635—Mixed Colors. Pkt., 10c; $\frac{1}{4}$ -oz., 45c.

THALICTRUM (Meadow Rue)

(Perennial)

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of maiden hair ferns.

5635A—*Dipterocarpum*. 4 to 5 feet. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow flowers. Pkt. 10c.

TITHONIA SPECIOSA

(Perennial)

5635B—Mexican Sunflower. A rare plant from Mexico. Perennial throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

TRITOMA

(Half Hardy Perennial)

TRITOMA—Red Hot Poker. Bright showy flowers produced in large spikes of brilliant rich colors. Although hardy, requires some protection through the winter. Will bloom first season from seeds sown indoors very early and planted out as soon as soil is warm. Cut flowers keep a long time. Height 2 to 3 feet.

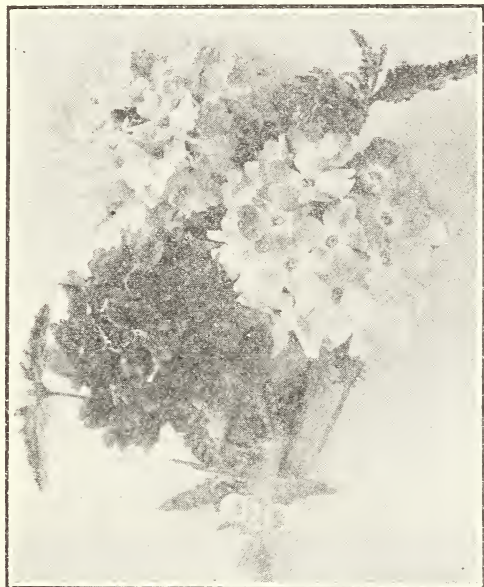
5636—Uvaria. Dazzling orange red. Pkt. 10c.

5637—Mixed New Hybrids. Strikingly handsome, 2 to 5 ft. Pkt. 10c; $\frac{1}{4}$ -oz. 75c.

VERBENA

(Annual)

Very few annuals will make such a gorgeous display during the summer months or furnish more flowers for cutting than the Verbena. Start seed in the house or under glass until three or four inches of growth. They flower in July and continue until destroyed by frost.



5639—Hybrid Candidissima. Large trusses of purest white flowers. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5639A—Hybrida, lavender. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5640—Hybrid Coerulea. Bright blue in various shades. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5640A—Hybrida, dark blue. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5641—Hybrid Defiance. Intensely brilliant scarlet; fine for bedding. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5641A—Hybrida Mammoth Purple. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5642—Hybrida Mammoth, Rose Queen. Brilliant rose colored flowers, 1 to 1 $\frac{1}{4}$ inches across when well grown, produced in magnificent large umbels. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5643—Hybrida. Rose and pink shades. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5644—Hybrida Lucifer. Red. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5645—Lemon Verbena. Every garden should have a few plants of this fragrant favorite. (Usually propagated from cutting, seldom from seed. Pkt. 10c.

5646—Luminosa. A new color added to our group of Grandiflora Verbenas. Gigantic blooms of luminous flame pink toning to softer shades of salmon, flesh and coral, giving the whole a most beautiful and almost indescribable color that must be seen to be appreciated. Pkt. 10c; $\frac{1}{8}$ -oz. 50c.

5647—Hybrida Mammoth Mixed. Pkt. 10c; $\frac{1}{8}$ -oz. 25c.

VALERIANA

(Hardy Biennial)

VALERIANA—Garden Heliotrope. Sweet scented flowers having red or white blooms produced in large heads. Fine border plants, 2 to 3 feet high. Sow seeds early in boxes and transplant to permanent location as soon as large enough to handle. Should have rich soil.

5638—Mixed. Pkt., 10c; $\frac{1}{4}$ -oz., 35c.

VINCA (Madagascar Periwinkle)

(Tender Perennial)

Handsome, bushy bedding plants, that flower luxuriantly and most profusely all summer from seed sown in February or March in heat; fine also for pot culture in window garden, or greenhouse; 1 to 1 $\frac{1}{2}$ ft.

5648—Mixed. Pkt. 10c; $\frac{1}{4}$ -oz. 35c.

VIOLET (Sweet Scented)

(Perennial)

Much prized for spring blooming. All the varieties have great beauty, are very fragrant and quite hardy; 6 in. Violet seed takes a long time to germinate.

5649—Blue. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

5650—The Czar. Very large; dark blue. Pkt. 10c; $\frac{1}{8}$ -oz. 40c.

SUMMER CYPRESS—See Kochia.

VIOLA CORNUTA (Tufted Pansies)

(Perennial)

Though the flowers are not as large as the regular pansies, they bloom so freely that many people consider them superior where a mass of color is desired. The plants bloom for a long period and the colors are particularly clear and distinct. The flowers are light and graceful, and not so stiff as those of the regular pansy.

5655—Admiration. Violet blue flowers. Pkt., 10c.

5656—Lutea Splendens. Bright yellow. Pkt., 10c.

5657—Improved Scotch Pansies. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 10c.

VIRGINIA STOCK (Malcombia Maritima)

(Hardy Annual)

Early and very free flowering, dwarf hardy annuals of easy culture; bright blossoms; most effective for edgings or beds. 1 ft.

5651—Crimson King. Very fine. Pkt., 10c; $\frac{1}{4}$ -oz., 20c.

WILD FLOWER GARDEN

5673—Wild Flower Garden. Pkt., 5c; oz., 35c.

WE PAY POSTAGE ON ALL FLOWER SEED

DAHLIA FLOWERED ZINNIA

(Annual)



5671—Victory Quilled. All colors mixed. Pkt., 15c; ¼-oz., 50c.

5671A—Liliput Double 12-in.—The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants bloom all summer until late in the fall. Pkt., 10c.

ZINNIAS—The New Dahlia Flowered. This is a new and distinct race of Zinnia, which will greatly increase the popularity of this flower. The plants of this new race are very sturdy and produce many flowers with stout stems. The flowers in full bloom often measure four inches in depth and six to eight inches in diameter. In general appearance they compare favorably with the Show Dahlias. Easily grown from seed sown in the open and thinned to one foot apart.

5658—Exquisite. Color light rose with center a deep rose. (Tyrian Rose) Pkt. 15c.

5659—Old Rose. This is adequately described by its name, as it is of real Old Rose shade. Pkt. 15c.

5660—Golden State. A very rich orange yellow. Pkt., 15c.

5661—Crimson Monarch. By far the largest and best of the red shades. Flowers often eight inches in diameter. Pkt. 15c.

5662—Dream. A fine, deep lavender, turning to purple. Pkt. 15c.

5663—Polar Bear. A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Pkt. 15c.

5664—Buttercup. An immense deep creamy yellow. Pkt. 15c.

5665—Oriole. We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages. Pkt. 15c.

5666—Mixed. All colors. Dahlia flowered. Pkt. 10c; ¼-oz. 50c.

5667—Grandiflora Robusta. Double, giants, apricot yellow. Deep flesh, golden yellow, rose king, salmon, shrimp pink, white. All colors mixed. Pkt., 10c; oz., 75c.

5668—Pumila, Dwarf Double. The best bedding variety. Pkt., 10c; 1 oz., 85c.

5669—Pompon, Mixed. Small globe-shaped flowers. Pkt., 10c.

5670—Picotee Type. The flowers, which are not quite as large as the Double Giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Pkt., 10c; ¼-oz. 50c.

WALL FLOWER (Cheranthus Cheri)

(Hardy Perennial)

Produces spikes of beautiful, exceedingly fragrant flowers. Hardy perennials.

5652—Single Mixed. Large flowering. Pkt. 10c; ¼ oz., 20c.

5653—Annual Mixed. Pkt. 10c.

5654—Double Mixed. Pkt., 15c; ½-oz., 50c.

ZEAL (Rainbow Corn)

(Annual)

5647A—Japonica Quadricolor Perfects—4 ft. This charming grass forms an object of great beauty in mixed bed and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped yellow, green, rose and dark red. Pkt. 10c; oz. 40c.

WILD CUCUMBER

(Annual)

5302—Echinoystis Lobata. A rapid growing climber. Very good for covering old fences or trellises. Hardy annual. Pkt., 10c; oz., 25c; ¼ lbs., 75c.

XERANTHEMUM

(Annual)

This well-known hardy annual is one of the oldest and prettiest of the Everlasting flowers, and in winter bouquets retain their color and form for years. Fine for beds and borders; in bloom all the season until frost. 1½ to 2 ft.

5672—Double Mixed. Pkt., 10c; ¼-oz., 25c.

CLOVER and ALFALFA SEEDS

Alfalfa should be cut for hay when the shoots of the next crop appear at the base of the plants. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green and grows as rapidly as ever. On the low lands it is not an un-

Dry Land Alfalfa—Dry land Alfalfa will produce large, profitable crops of hay and excellent pasture on high, dry land and is recommended for the hills and plateaus where irrigation is impossible. It comes from the highest, driest alfalfa sections, and is very superior seed. Price per lb. 29c.

Price for quantity on Application.

field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard, clayey soils. Its roots, in seeking moisture, penetrate to incredible depths. The seed should be sown in the Spring, after danger from freezing the young plants is over, or in the Fall, early enough to give a good stand before frost.

Grimm Alfalfa is the hardest Alfalfa known. In trials, at practically every Experiment Station in the West and Northwest, it has headed the list for vigor and hardiness. Being scarce and in big demand the prices are high but the value of Grimm has been demonstrated beyond question and we recommend its trial. Price per lb. 48c.

Price for quantity on Application.

Nodules with Nitrogen Worth Their Weight in Gold



A well-inoculated legume root grown from seed that was inoculated with Earp-Thomas high quality bacteria. Such nodules are worth at least \$20 an acre for the fertilizer (nitrates) they deposit in the soil.

Roots like this mean bigger yield, better soil

ALSIKE OR SWEDISH CLOVER

(*Trifolium Hybridum*.)

A perfectly hardy perennial variety which is rapidly growing in popular favor. Excellent for hay and pasture. Valuable for bees. Resists both drought and extreme moisture. The hay of this variety is greatly preferred by some to that of Red Clover, for the reason that it is generally finer, brighter and not so dusty, making it better for horses. Per lb. 37c.

Price for quantity on Application.

CRIMSON OR SCARLET CLOVER

(*Trifolium incarnatum*)

Highly recommended for pasture and fertilizing purposes. A thrifty annual, growing 20 to 30 inches high. Germinates quickly, grows rapidly, stools abundantly. Cut for hay when in full bloom. Planted in the Fall can be plowed under after blooming in the Spring, followed with barley or potatoes. Per lb. 20c.

Price for quantity on Application.

The crop difference between an acre of regular Clover and an acre of FARMOGERMED CLOVER will pay for the inoculation of five or ten acres. See page —.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

WHITE DUTCH CLOVER

White Clover (*Trifolium Repens*) Used largely in lawns and permanent pasture mixtures. Accommodates itself to a great variety of soils. High grade, clean seed is very scarce and high this year; beware of low-priced seed this season. For lawns always buy our Extra Fancy Seed, which is the purest high quality seed obtainable, and the true dwarf, hardy variety. Per lb. 60c.

SWEET CLOVER (*Melilotus Alba*)

Sweet clover is used as either a feed crop or as a fertilizer to plow under to improve the soil and increase the crop to follow. It grows fast and is easy to start.

Grows luxuriantly on good soils, but it will also grow and thrive on thin, sandy soil, hardpan, gumbo, rocky upland, clay and alkali land.

Sown very early in the spring. It does well sown either alone or with a nurse crop of small grain. Use 15 to 20 pounds of seed per acre.

Sweet clover makes excellent pasture for horses, cattle, sheep, hogs or chickens. A very early and continuous cropper. Price per lb. 25c. Write for quantity price.

MEDIUM RED CLOVER

(*Trifolium pratense*)

The standard Clover for all purposes, hardy, succeeds well on any good soil. Makes superior hay—especially mixed with Timothy—either for dairy cows or for general use. Per lb., 37c. Write for quantity prices.

MAMMOTH RED CLOVER

Mammoth Red Clover. Grows very large and is used almost exclusively for plowing under for manure. Also makes excellent pasture of high dry hills and knolls in this vicinity when mixed with Orchard Grass. Per lb., 41c. Write for quantity prices.

HUBAM CLOVER

Hubam Clover (Annual Sweet Clover) An annual white blossom sweet clover, very similar to *Melilotus Alba*. A rapid growing clover, ready for cutting four months after seeding. Makes an ideal crop for turning under or soiling in orchards. Bee men are finding it ideal for bee pasture, it being available the first season. Good stock pasture. Seed 20 lbs. per acre. Per lb., 55c.

Grass Seed

POINT DEFIANCE LAWN GRASS MIXTURE

To obtain a good Lawn Grass Mixture, it is necessary that the best possible seed of fine grasses be used in the combination, embracing such varieties as are neat, close growth, extreme hardiness, and adapted to produce a quick, permanent sod. Judicious selection of seed, knowledge of the habits, vigor, quality and hardiness of varieties used in the mixture can only be gained by thorough and practical tests under different climatic and soil conditions. After more than 25 years' experience,

we offer, **Point Defiance Lawn Grass Seed Mixture**, composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooting grasses of interweaving habit, that will flourish under varied soil and climatic conditions, and which may be depended upon to produce a beautiful, compact evergreen sod that will resist tramping and hard usage, and at the same time present that handsome, velvety appearance so much desired. Sow one pound to 200 square feet. Price, 60c per lb. Write for quantity prices.

WE MAKE A SPECIALTY OF MIXTURES FOR GOLF LINKS, PUTTING GREENS AND FAIRWAYS

CHEWING'S FESCUE (New Zealand Grown)

There is very little difference between this and Red Fescue. Chewing's is in even greater demand for putting greens than the Red Fescue. Best seeded alone when used for greens. It is a perennial with creeping roots and makes a fine turf. Seed, either spring or fall, preferably the last week in August or the first week in September. Does well in sandy soils, and in shade. **Lb., 45c.** Ask for quantity price.

"CREEPING BENT GRASS"

The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Greens; it makes a lasting turf that withstands hard usage. The leaves are fine and it develops a dense growth, making it valuable for bottom lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bush.) Sow in Fall or Spring, 1 lb. per 300 square feet. Excellent for lawns. Per lb. **\$1.15.**

Price for quantity on Application.

KENTUCKY BLUE GRASS

(*Poa Pratensis*) Fancy or double, extra clean. As this grass takes some time to become established, it is preferably sown in mixtures for pasturage. Is truly perennial and prefers lime soils. As a lawn grass it is the finest there is—spreading habit, even texture, permanent, fine leaf and dark color. For pasture sow 50 lbs. per acre; for lawns 1 lb. per 200 square ft. **Lb. 45c.**

RHODE ISLAND BENT

(*Agrostis Canina*) Resembles Red Top. Makes a close sod; valuable for permanent lawns, pastures and meadows. Twenty-eight pounds per acre. For lawns use 1 lb. per 300 square feet. Per lb. **\$1.30.** Write for prices in larger quantities.

HARD FESCUE

(*Festuca Duriuscula*) Fine, rather dwarf, justly noted for its drought resisting qualities. Valuable for pasture and lawns. Sow 20 pounds per acre. For lawns 1 lb. to 200 square feet. Per lb. **36c.**

Price for quantity on Application.

CRESTED DOG'S TAIL

Crested Dog's Tail (*Cynosurus Cristatus*) Should enter in moderate quantity in permanent pasture and lawn mixtures. It does well in the shade, roots deeply, is stoloniferous and perennial. Valuable in mixture for lawns, putting greens and for pasture. If sown alone 30 lbs. should be used per acre. For lawns 1 lb. per 200 square feet. **Lb. 90c.**

RED TOP

Solid Seed (*Agrostis Vulgaris*)

Herd's Grass. Second only to Timothy as hay grass, and better if ground is to be pastured afterwards, for Red Top makes one of the best permanent pastures. Succeeds on all soils, though doing best on moist and even swampy land. A permanent grass and valuable as a lawn grass, giving quick effect. Fancy, free from chaff. Sow 15 lbs. per acre. **Lb. 35c.**

Price for quantity on Application.

RED OR CREEPING FESCUE

(*Festuca Rubra*) A creeping-rooted variety forming a close and durable turf and particularly suited for dry, sandy soils. Resists drought and thrives on very poor soils, gravelly banks and exposed hillsides. Valuable both for shady lawns and for golf courses. 30 lbs to the acre. Per lb. **45c.** Write for prices in quantities.

ENGLISH RYE GRASS

(*Lolium perenne*) A most valuable grass for both pasture and meadows. It thrives in a cool and moist climate, adapting itself to a great many different kinds of soil. A strong and vigorous grower, curing into a fine hay of sweet flavor. Much relished by cattle and horses. 40 lbs., per acre.

For Lawns—This is used and recommended by many gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks it is very successful. Per lb. **16c.** Write for prices in quantities.

SPECIAL MIXTURES

Lawns

Pasture

Hay

Consult us with your Grass Seed problems. We will be glad to give you the benefit of our many years experience in the growing of grasses in the Pacific Northwest.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Grass Seeds--Continued

TIMOTHY

(Phleum Pratense) Timothy is the great standard hay grass of this part of the country. Not adapted for pasture, as there is little growth after cutting, and tramping of stock soon destroys it. Not a lawn grass and not adapted to dry soils; height two to three feet. Will stand extreme cold and yields very heavily. Often sown with red top and red clover. Sow 15 to 20 lbs. per acre. Price fluctuates. Lb. 12c. Ask for quantity price.

TALL MEADOW OAT GRASS



(Avena Elatior) Often attains a height of three to four feet by the middle of June. Makes splendid hay and thrives on sandy loam, but makes its best growth where there is some clay. Can be fed as a pasture grass, and will generally bear cutting three times. For mixing with Perennial Rye and Clover for sandy soils it is excellent. Sow about 30 to 40 pounds per acre alone, or half that amount if mixed with the above varieties. Per lb. 30c. Write for prices in quantities.

SUDAN GRASS

It yields from 2 to 8 tons of hay per acre, depending upon whether irrigated or not. Two cuttings are assured and in places four have been taken. The hay is of superior quality and relished by all stock. Cut with a mower just after full bloom. Plant late in spring after frost is past. If drilled in 36-inch rows, you will require 2 to 4 lbs. of seed; if seeded 18 to 20 inches, 4 to 6 lbs.; if broadcast, 15 lbs. Per lb. 16c. Write for prices for larger quantities.

ITALIAN RYE GRASS

(Lolium Italicum) A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures (will last from two to six years). Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow 40 pounds per acre. Per lb. 12c. Write for prices in quantities.

ORCHARD GRASS

(Dactyllis Glomerata) One of the most valuable of all the cultivated grasses, blooming with Red Clover, and making with it admirable hay. As a pasture grass it is more productive than any other, and does best under close feeding. Of the greatest value in permanent pasture mixtures; thrives best in moist, shady places, but will withstand drought exceedingly well. Will do well under trees. Valued for hay crop, as it is very nutritious if cut early. Sow 28 pounds per acre. Per lb., 24c. Write for prices in quantities.

CANADIAN BLUE GRASS

(Poa Compressa)

Resembles somewhat the Kentucky Blue Grass, but is shorter and more slender. It is grown very extensively in Canada and some parts of the United States. It will thrive even on hard clay soils, where there is not quite enough lime and fertility for Kentucky Blue Grass. It holds its color and freshness until snow comes. Canadian Blue Grass does not thrive when planted with Clover. Red Top and Orchard Grass are the best for mixing with it to grow on inferior soils. On good land it becomes tall enough for hay and as it shrinks very little in drying, the hay is heavy for its bulk. One to two feet high. Sow 30 lbs. of seed to the acre. Per lb., 36c.

MEADOW FESCUE OR ENGLISH BLUE GRASS

(Festuca Pratensis) Especially suited for permanent pasture and is also fine for hay. Grows two to three feet high but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties. It will endure severe freezing and its use is becoming more widespread each year. 24 lbs. are sown to the acre. Per lb., 28c.

SHEEP FESCUE

(Festuca Ovina) Grows freely in high, dry and open pastures. Its chief merit is for sheep pasture. Thirty five pounds to the acre. Per lb. 36c. Write for prices in quantities.

BROMUS INERMIS

On account of its strong perennial character, and its unusual drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle. Per lb., 27c.

MESQUITE

(Holcus Lanatas) It is usually sown on virgin soil, without cultivation, after the ground has been burned over. Fancy Hulled Seed; 15 lbs. to acre. Write for prices.

Grains and Field Seeds

BEARDLESS BARLEY

Beardless—The earliest barley known. The straw is about the height of the Common Barley, but better, and will stand up on any land; with good season and land, has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow Barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season. Per lb., 6c. Write for prices in quantities.

White Hullless, or Bald Barley—A grand barley for stock feeding. Grain plump, heavy and when threshed is hullless, like wheat. Per lb. 7c. Write for prices in quantities.

BUCKWHEAT

Buckwheat is a valuable crop that can be easily grown wherever wheat will grow, producing a good yield even on light or poor soil and under favorable conditions is very profitable, being in big demand for milling—and is also the best "Bee pasture."

Sow 36 lbs. per acre in drills, 48 lbs. broadcast.

Japanese—Ripens early—is hardy and yields the largest crops. The grains are extra large, dark brown, very thin hulled and makes the highest grade of flour. Per lb 8½c. We will gladly quote prices on large quantities.

FLAX SEED

We have a splendid lot of selected recleaned Western-grown Flax, new crop, large plump seed. Per lb. 15c.

Ground Flax for medicinal uses. Per lb., 15c.

MILLETS

Golden—An improved variety, yielding a larger crop of seed than the Common Millet. It is also taller than the Common, and yields a heavier crop of hay. Per lb., 15c. Write for prices in quantities.

OATS

SWEDISH SELECT

A Splendid Variety; Unequalled in Quality

Swedish Select has long been popular, and a splendid variety for Puget Sound country. It yields very heavy crops, makes a very sturdy growth; the straw is of medium height and is extra large, making it less liable to lodge than any other variety. In quality it is by far the best of any oat that we have tested. It has a large spreading head, and the grain is large, plump, and very heavy. It is one of the very earliest varieties, and on account of its exceptionally fine quality and heavy yield probably the most valuable variety grown in the great oat growing sections in Washington. Price per lb. 4c. Write for prices in quantities.

Gray Winter—This Oat is planted extensively throughout the Northwest as a Fall or Winter Oat. Is well and favorably known, being a good yielder, and the Oats are large and plump. Price per lb. 4c. Write for prices in quantities.

CANADIAN FIELD PEAS

Canadian Field Peas—(*Pisum sativum*). The seed should be planted as early in spring as the ground can be properly prepared. Where the crop is to be cut for hay or feeding, it is best to sow on bushel of stiff strawed oats and one or one and a half bushels of field peas per acre. **THE CROP SHOULD BE CUT WHILE THE GRAIN OF THE OATS IS IN THE SOFT OR MILKY STAGE**, at which time the pea vines will be in flower and the whole crop will make a nutritious hay, relished by all kinds of stock when properly cured or made into ensilage. This is an excellent crop also to turn under to enrich the ground; when for this purpose two bushels should be sown to each acre. These can be turned under in June and the land again seeded with the Fall Vetch, and which will be ready to turn under in the spring in time for potato planting or general garden crop. Write for prices in quantities. Per lb. 7½c.

Green, or Bluebell—The seed is larger than the Yellow Canadian, and it has a bluish color, but is very similar in all other respects. Per lb., 8c. Write for prices in quantities.

USE FARMOGERM on Peas and Vetch. Get Larger Crops of better quality.

RAPE

Dwarf Essex—One of the best forage plants, producing immense quantities of green feed when grass and other crops are dried up. Has yielded ten tons of green forage per acre with a food value double that of green clover. Excellent pasture for all stock, and fine green feed for chickens. Thrives on all soils and is ready for use in six to eight weeks from time of sowing. Also valuable for plowing under. Sow same as turnips from May until September, or sow with grain. Use four pounds per acre in drills, eight pounds broadcast. Lb. 15c; Write for prices in quantities.

SPELTZ

It will grow well and produce immense crops on poor soil. Dry weather seems to have no bad effect on it. After the grain is threshed out, the straw makes good hay. The grain has a hull, something like barley. Sow in the Spring, the same as wheat, at the rate of two bushels per acre. Cut when the grain is past the middle stage of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. Can be fed whole, rolled like barley, or ground. Per lb., 6c; Write for prices in quantities.

IMPORTANT—READ CAREFULLY

Clover, Grass and Field Seeds are subject to market changes, therefore we can not print prices good for any length of time. When ready to buy, write us for special prices, stating quantity wanted, or send in your order at catalog prices. We guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipment.

Grain and Field Seeds-Continued

SPRING RYE

Spring Rye—True Stock. Spring Rye makes an excellent crop where winter grain has been killed out, or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Sow seed same time as other spring grain. Does not grow quite so large straw as Winter Rye, but usually yields well and grain is of fine quality.

We wish to emphasize the fact that we sell the **genuine Spring Rye, sown in the Spring and harvested the same season.** We now offer an extra fine grade. To insure receiving enough for your requirements we advise placing your order early, as we have only a limited quantity. Sow about 1½ bu. per acre. Per lb. 5c. Write for quantity prices.

WINTER RYE

Rosen Rye—(Winter) This variety was introduced by the Michigan Experiment Station, and produces grain which is considerably larger than other Winter Sorts. The kernels are very plump and heavy. The grains are much larger than a common rye and the yield double and some make it stronger and say three for one. You cannot make a mistake in trying it.

Makes an excellent pasture for pigs, calves and other young stock. It should be sown early in the Fall for this purpose. In the Spring sow about five pounds of Dwarf Essex Rape per acre on the Rye, which may be covered with a harrow without injury to the Rye.

Rye may be pastured very early in the Spring. The Rape will continue the supply of green feed when the Rye disappears. Try a Rye and Rape pasture and thus prove its value. Per lb., 5c. Write for quantity price.

SUNFLOWER

Sunflower, Mammoth Russian—The largest and most productive variety. It is now being grown extensively for silage for cattle and is proving of immense value. The seed is a valuable poultry food and is a great egg producer. It is usually drilled in 36-inch rows with the hills 4 inches apart in the row. In sections where the season is short it should be planted as soon as the soil is in good condition in the Spring. For silage it should be cut when 25 to 30 per cent of the plants are in bloom. In food value it is equal to corn silage and the yield 3 to 4 times as great. It has been demonstrated in many parts of the country that no other known forage plant will produce as great a tonnage of high grade food for livestock. Per lb. 15c. Write for prices in quantities.

VETCHES OR TARES

Greatest Forage Plant

Common, or Spring (Vicia Sativa)—One of the best forage plants that can be grown on the Pacific Coast. Often called Fall Vetches. This is a species of the pea, and is grown very extensively. It furnishes an abundance of excellent feed, either green or cut and cured for hay. The seed should be mixed with an equal weight of some variety of wheat, oats or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Vetches weigh 70 pounds per bushel. Sow in the Fall or early Spring. Per lb. 6½c; Write for prices in quantities.

Sand, or Winter Vetches (Vicia Villosa)—This variety thrives on poor, arid, sandy soils. It is sown either in the Fall or early Spring, and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice; first, as soon as the bloom appears and afterward for seed. The plant is perfectly hardy and makes a very nutritious food. Per lb., 20c. Write for Prices in Quantities.

SEED WHEAT

Early Baart—Bearded—Spring. This splendid new Spring wheat is fully as early as Marquis, a better yielder and has a large white grain of finest milling quality. In the big wheat sections of Eastern Washington, Early Baart has matured three weeks ahead of Blue Stem, giving a bigger crop and its earliness insures protection against loss from the extreme heat and drouth occurring later. Write for prices, state quantity.

Blue Stem—Spring. The best known and one of the most profitable Spring varieties for the Northwest. Heads are large and well-filled, stools freely. Grain very hard. Although a Spring variety, can be planted as a Fall Wheat in sections where Winters are mild. The Blue Stem of the Pacific Coast has a white grain and smooth chaff, quite unlike the Velvet Chaff and Red grains of the states East of the Rockies. Better results are had with this Wheat East of the Cascade Mountains, as it has a tendency to lodge in the moist sections on the Coast. Price lb. 5c. Write for Prices in Quantity.

Red Russian—Winter. This is extensively grown in Western Washington, where conditions are favorable. It grows vigorously, maturing late, and gives a heavy yield of both grain and foliage. It is a superior variety for choking out weeds, growing close and luxuriantly. Price lb., 5c; Write for prices in quantities.

BIRD SEED and REMEDIES

Not for Planting

Poole's Best Mixed. Per lb. 15c.
Canary—Best Re-cleaned, per lb. 15c.
Hemp, per lb. 15c.
Millet, per lb. 15c.
Rape, per lb. 15c.
Cuttle Bone, large bone, per oz. 5c.
Sunflower for feed, lb. 15c; 10 lbs. \$1.25.
Buhach Powder, small size 25c.

Buhach Powder, large size 50c.

Bird Manna, price each 15c.

Spratt's Sing Song, price each 15c.

Spratt's Song Restorer, price per pkg. 25c.

Spratt's Bird Tonic, price per pkg. 30c.

Spratt's Nestling Food, small size per pkg. 20c.

Spratt's Nestling Food, large size per pkg. 30c.

Spratt's Moulting Food, per pkg. 30c.

Spratt's Parrot Mixture, per pkg. 20c.

Spratt's Polli-Crackers, per pkg. 20c.

BEE SUPPLIES

No. 1 WESTERN CEDAR DOVETAILED HIVE

Complete with 1 super. Consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 2 tightening springs for super, 6 section holders, 5 slotted separators, 24 sections all nailed and ready for use.

1—8 Frame Hive, \$4.10; 1—10 Frame Hive, \$4.30.

For foundation starters for frame and sections consisting of 2 sheets medium brood and 3 sheets thin surplus foundation. Add to price of hive, 35c.

Per 5 hives K. D. flat, complete without foundation starters, weight about 150 lbs. Price for 5—8 frame, \$13.50. For 5—10 frame, \$15.00.

No. 1 WESTERN CEDAR DOVETAILED SUPERS

No. 1 Super—For 8 frame hive, section, no starter, set up. Price, \$1.50. 1—10 frame, \$1.75.

No. 1—5 K. D. Supers for 8 frame hive with sections, no starter; weight about 40 lbs. Price, \$6.25. 5—10 frame Supers as above \$8.00.

HOFFMAN BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest, most satisfactory brood frames. The top bar is made with a beveled strip, which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly.

Improved Hoffman frames, 10 for 65c; 100 for \$6.00.

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separators, $4\frac{1}{2}$ x18. Weight 8 lbs. per 100. 10 for 15c; 100 for \$1.25.

PORTER BEE ESCAPE

Great labor-saver; weight 2 ozs. Price, postpaid, 25c. Double, 25c.

WIRE EMBEDDERS

The Spur—Weight 4 ozs. Price, postpaid, 40c.

SECTION HONEY BOXES

Cut No. 1—Sections are made of the choicest white bass-wood lumber, and are perfect in finish and free from defects.

Root's No. 1—Best white, 100 for \$1.60.

SECTION HOLDERS

Six section holders with separators, one follower and wedge are put in each 24-lb. super, and each section holder holds four 1-lb. honey boxes. The bottom strip is $\frac{1}{4}$ -inch thick, and is cut out to fit in sets of the slotted sections—the style generally used.

Root's— $1\frac{1}{2}$ x18 $\frac{1}{2}$ inches, slotted holders, weight 23 lbs. per 100. Price Each, 5c.

COMB FOUNDATION

There is little question but that it pays to use foundation in full sheets in the brood frames and sections, especially the latter. If you think you cannot afford so much you should at least have a strip for a starter. It will help much more than it costs you, in getting straight, even combs. You can use a starter any width from one inch up.

Light Standard Brood Foundation— $7\frac{3}{4}$ x16 $\frac{1}{2}$; 7 sheets per lb. Price per lb. 95c.

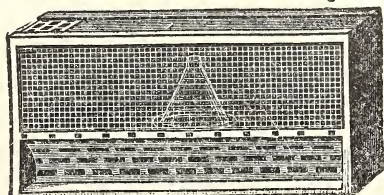
Light Section Foundation— $3\frac{3}{4}$ x15 $\frac{1}{2}$, 28 sheets per lb. Price per lb., \$1.05.

FOUNDATION FASTENERS

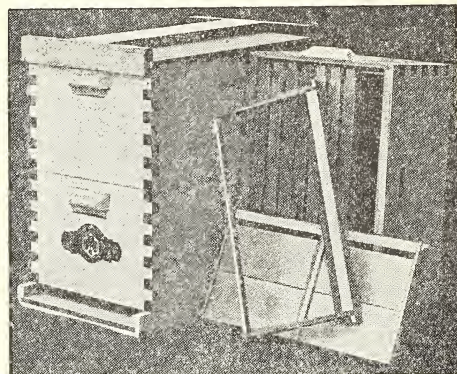
Parker's—A satisfactory and serviceable tool; weight 1 lb. Price 50c.

BEE ENTRANCE GUARDS

Root's—These are to admit workers, but exclude drones. Weight $\frac{1}{4}$ -lb. Price, 35c.

ALLEY'S COMBINED DRONE AND QUEEN TRAP

Improved wire front; 8 frame, weight $1\frac{1}{4}$ lbs. Price, \$1.05.

BEES WAX—Market Price

No. 1 Western Cedar Bee Hive for
 $4\frac{1}{4}$ - $4\frac{1}{4}$ - $1\frac{3}{8}$ Sections

HONEY BOARDS

Used to confine the queen to the brood chamber.
8-frame, unbound, 12 x $19\frac{1}{2}$ inches. Price 50c; 10 frame 50c.
8-frame, wood and wire bound, $13\frac{3}{8}$ x 20 inches. Price, 90c.
10 frame \$1.00.

BEE VEILS

Globe—Has five bars that will keep veil away from head. Weight 6 oz. Price \$1.55.

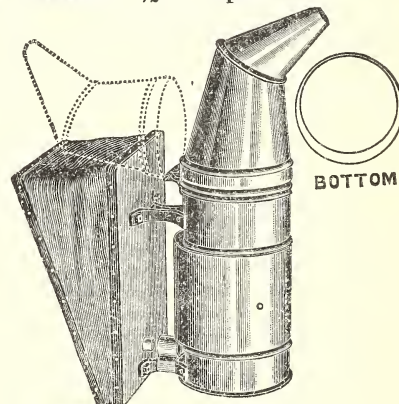
No. 2 Veil—Cotton tulle, silk face. Price, \$1.30.

New ABC XYZ of Bee Culture—Price \$3.50.

No. 30 TINNED WIRE— $\frac{1}{2}$ -lb. Spools 40c.

Standard Root Smoker

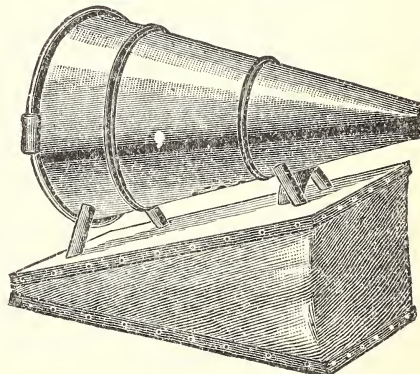
Makes a good strong blast. The most satisfactory and serviceable smoker. Standard size, $3\frac{1}{4}$ -inch; wt., 2 lbs. Price, \$1.80.

**Clark's Cold Blast Smoker**

Probably the most popular smoker in use to-day. Weight $1\frac{1}{4}$ lbs. Price, \$1.25.

Alexander Feeder

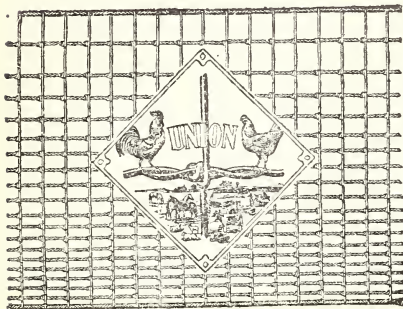
This is comparatively a new feeder. The bottom board slides forward, and under the hive. The bees go into the feeder from the brood chamber. This feeder has many good features. Wt. $1\frac{1}{4}$ -lbs. Price, 80c.



PRICES SUBJECT TO CHANGE WITHOUT NOTICE

WIRE FENCING

UNION LOCK "SQUARE MESH" POULTRY FENCE



Made of two strands of No. 20 wire run horizontally with No. 19 steel wire vertical strips every three inches, the first six cables 1 1/4 inches apart; the next three are 1 1/2 inches, and then 6 to 2 inches, and all above are 4 inches. This makes the fence tight at the

bottom, where needed for small chicks. This fence will fit any unevenness of ground, and because of its strength and construction requires no top or bottom rail and only half as many posts as the ordinary wire netting. It is thoroughly galvanized and will last for years. The wires are not mutilated in weaving. Easy to handle, easy to build and easy to move.

Price per Roll

36-inch, 165 feet to roll	-----	\$5.00
48-inch, 165 feet to roll	-----	5.50
60-inch, 165 feet to roll	-----	6.40
72-inch, 165 feet to roll	-----	7.20
Galvanized Staples, per lb. Poultry sizes	-----	15c

BARBED WIRE

- Galvanized Barb Wire, 2 point light, 80 rods in spool.
- Galvanized Barb Wire, 4 point light, 80 rods in spool.
- Galvanized Barb Wire, 2 point Gildden, 80 rods in spool.
- Galvanized Barb Wire, 4 point Gildden, 80 rods in spool.
- Galvanized Barb Wire, 2 point heavy, catch weight, per 100 lbs.
- Galvanized Barb Wire, 4 point heavy, catch weights, per 100 lbs.

Market Prices on Application

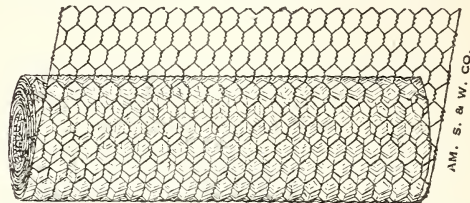
PERFECTION POST HOLE DIGGER



The shoulders extending from the upper part of the sockets are provided with mortises and tenons, which interlock, making a firm connection that absolutely prevents all side motion when operating, at the same time preventing the operator from getting his hands pinched.

Perfection Post Hole Digger, weight 10 lbs.
Price each **\$2.25**.

NO. 20 DIAMOND MESH POULTRY WIRE



In rolls 150 feet long, in the following widths.
This is commonly referred to as Poultry Netting.

	Width 12-in.	Width 18-in.	Width 24-in.	Width 30-in.
2-inch mesh	----- \$1.15	\$1.65	\$2.15	\$2.55
1-inch mesh	----- 2.60	3.75	4.75	5.65
	Width 36-in.	Width 48-in.	Width 60-in.	Width 72-in.
2-inch mesh	----- \$2.90	\$3.60	\$4.50	\$5.40
1-inch mesh	----- 6.45	8.60		

Write Us for Special Price on Large Quantities

POULTRY HOUSE FEEDING FENCE

Made expressly for the fronts of the poultry house.

Size of mesh is 2x6 inch, all joints electric welded.

Won't cut the combs on your fowls.

No. 948—4 ft. high Chicken Feeding Fence, per ft. **18c**.

No. 736—3 ft. high Chicken Feeding Fence, per ft. **16c**.

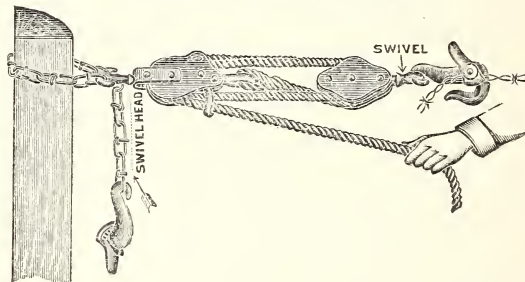
BERRY WIRE

We specialize in berry wire for Berry Growers. Our stock is large and our prices are FAIR.

No. 12 Smooth Galvanealed Berry Wire. Per 100 lbs., **\$4.70**.

No. 14 Smooth Galvanealed Berry Wire. Per 100 lbs., **\$5.05**.

WIRE STRETCHER



The Stretcher-Hoist is an implement for which there are a multitude of uses around the farm, aside from wire stretching. Capacity 400 lbs. Weight 5 1/2 lbs. Price **\$2.00**

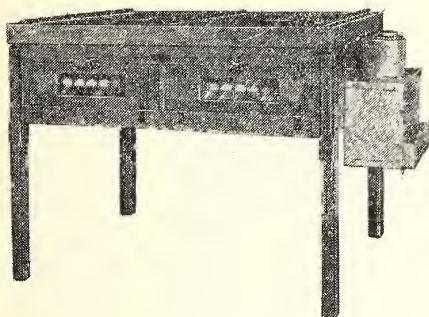
Iwan Patent Improved Post Hole Auger

The Iwan Augers are substantial and durable. They are adapted to wet or dry, hard or soft soil, are quick and easy in operation, and easily emptied. They have a large cutting surface, consisting of two blades, each having two cutting edges. The shank being of 3/4 inch pipe, the augers may be used for boring wells by adding lengths of pipe as necessary. The smaller sizes are used extensively for boring under stumps in land clearing.

6 inch Iwan Auger, weight 8 lbs. Each	-----	\$2.75
7 inch Iwan Auger, weight 9 lbs. Each	-----	3.00
8 inch Iwan Auger, weight 10 lbs. Each	-----	3.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Incubators



140-160 Egg Standard. Weight 90 lbs. -----

420-480 Egg Standard. Weight 210 lbs. -----

-----\$22.50

-----\$42.00

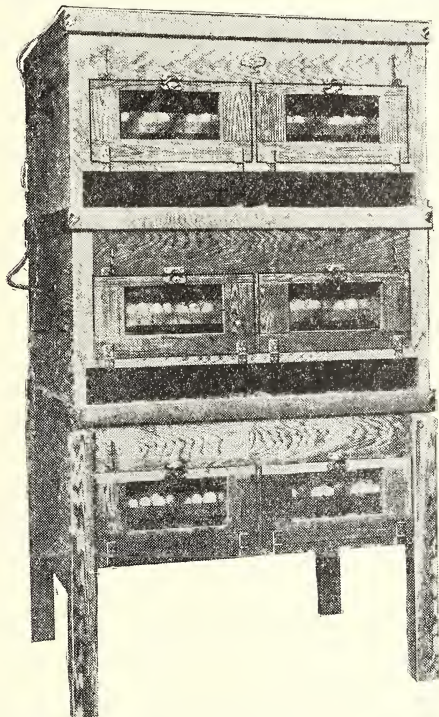
280-320 Egg Standard. Weight 150 lbs. -----

560-640 Egg Standard. Weight 260 lbs. -----

-----30.00

-----55.00

ST. HELENS ELECTRIC INCUBATOR



Electric heated incubators are the most convenient and clean and safe to operate. Perfect heat distribution and easily controlled automatically within a fraction of a degree with our regulator. Electric incubation is used and preferred by some of the largest hatcheries in the country.

Large Capacity in Small Space

Floor space required for each unit is 34 1/2-in. by 42 1/2-in., and in this space you can set 960 eggs with three sections high. Distance from floor to top of third section is 75 inches. The three sections can be operated from one ordinary lamp socket, the same as used for light.

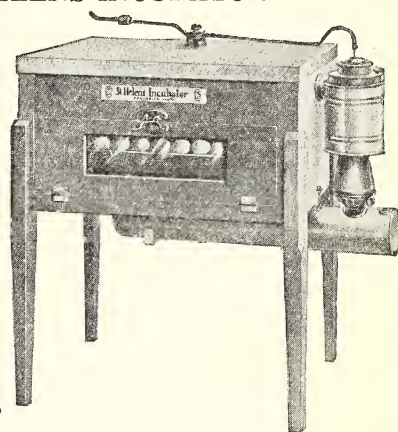
60-(70) EGG SPECIAL HOT WATER ST. HELENS INCUBATOR

Double Walled, Hot water heated, copper tank and heater, safety lamp, chick nursery, self regulating.

This little hatchery is high grade and is constructed with heavy double, red cedar case and double top with felt insulation. Tank and Heater is of first grade cold rolled copper of same pattern as used on the larger incubators.

Weight, crated, about 45 lbs.

Price complete, \$14.00.



60-70 Egg Size

Complete Ready to Operate

Attach the legs and insert the attachment plug into lamp socket and it is ready to operate, as the incubator comes with all parts in place. All supplies and attachments are furnished complete ready to operate, with exception of the eggs and electricity. Operates on the regular 110 to 120 volt alternating current, the same as your light circuit. Just as simple to heat up as to turn on your lights.

Prices

One 320-Egg Section ----- \$ 60.00
Two 320-Egg Sections ----- 120.00
Three 320-Egg Sections ----- \$180.00

60 Egg Combination Electric Incubator and Brooder

Weight 25 lbs. Price \$20.00

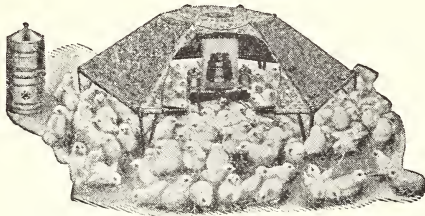
100 Egg Combination Electric Incubator and Brooder

Weight 40 lbs. Price \$28.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Brooders

LATEST IMPROVED "PERFECTION" BLUE FLAME OIL BURNING BROODER STOVE

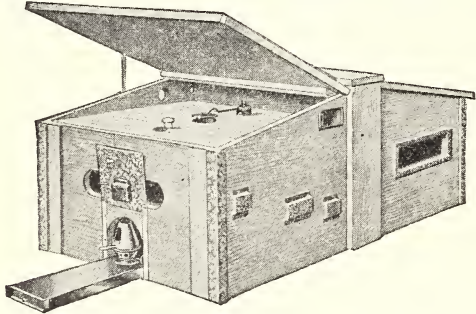


New patented direct oil feed with adjustable oil level, no danger of light going out. New improved heater with Pressed Steel Oil Well that generates without the use of wicks of any kind. Fitted with large two gallon metal oil container that will operate brooder for about two days with the one filling, small sizes for three days. Easily generated and produces a steady intense heat. Operates at a very low cost. Can be used in most any kind of a tight properly ventilated room, brooder house or the open front type poultry house with drop curtain. Late model, flat-top canopies come all set up with exception of legs, and are asbestos lined.

Made in four sizes, from 200 to 1200 chicks without crowding.

- No. 2—34-in. canopy, 200-chick size, wt. 35 lbs. **\$17.00**
- No. 3—44-in. canopy, 400-chick size, wt. 50 lbs. **20.50**
- No. 4—54-in. canopy, 600-chick size, wt. 65 lbs. **22.50**
- No. 5—64-in. canopy, 1200-chick size, weight. --- **26.50**

"PERFECTION" PURE AIR BROODER

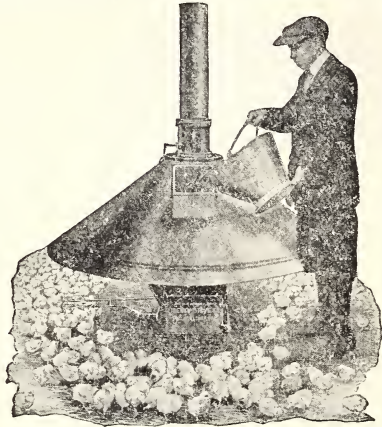


(Late Improved Brooder for indoor or outdoor use)

This storm-proof brooder is the finest box brooder we have ever manufactured. Made from western red cedar and nicely painted. Heater is in center and circular, chicks will never crowd. No danger of overheating, as there are two compartments, divided by curtain, one cooler than the other. As soon as the heater is warmed by lamp's heat a circulation of pure air from the outside is warmed and forced over the backs of the chicks, giving them a constant supply. This brooder can also be furnished with automatic heat regulator if so ordered as shown in the cut. Floors are of metal, making them sanitary and easy to clean. In operation clean sand is placed on the metal floor.

- 130-Chick Pure Air Brooder -----**\$11.50**
 - 260-Chick Pure Air Brooder -----**17.50**
- For Automatic Heat Regulator as shown in cut, add \$2-

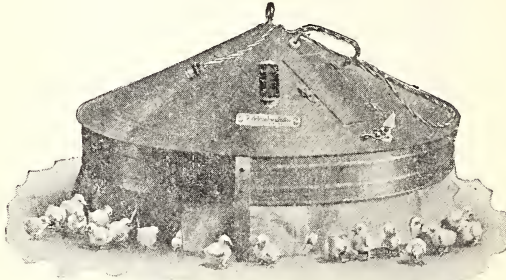
PERFECTION COAL BURNING STOVE



Here is a stove especially adapted to burning low grade coal, bark, briquettes or coke. The improved fire box has wider grates, and heavy flaring cast iron body. Automatic heat regulator operates the draft dampers. Canopy made of galvanized steel.

- 42 inch canopy, 500 chick -----**\$17.50**
 - 52 inch canopy, 1000 chick -----**19.50**
 - No. 3—62 inch canopy, 1500 chick size -----**23.50**
- The stovepipe is extra, but all other equipment is included as shown in the picture. Three-inch pipe in 24-inch lengths, 30c each.

LATEST IMPROVED ST. HELENS ELECTRIC BROODER



Through my double spider-web coil system in wiring this brooder, the heat is distributed evenly from outer edge to center and there is no Hot Spot or incentive for the chicks to crowd.

On a three cent heating rate this brooder can be operated cheaper than an oil stove. No. 2 brooder can be operated for about 7c for 24 hours when filled with 200 chicks.

Regularly Wired for 110 Volt

Furnished all complete with extension cord, felt yard, complete heat regulator attached, thermometer and pilot light and instruction sheet on operating brooder and feeding the chicks.

- No. 1—24 in., special parcel post brooder, postpaid **\$3.50**
- No. 2—32 in., 200-Chick Electric Brooder -----**\$20.00**
- No. 3—42 in., 350-Chick Electric Brooder -----**27.00**
- No. 4—52 in., 500-Chick Electric Brooder -----**33.00**
- No. 5—62 in., 750-Chick Electric Brooder -----**49.00**

SEND FOR FULL DESCRIPTIVE MATTER

Oat Sprouters and Miscellaneous Supplies

OAT SPROUTERS

Cheap Feed and How to Produce It



Our "PROGRESSIVE" METAL GRAIN SPROUTER is now made in four sizes, the one illustrated being large enough for a flock up to 500 hens, and then we have a double "Progressive" Sprouter with capacity for 1500 hens or less, sprouting over three times as much as the one illustrated.

Be sure to secure good new heavy oats, as much of your success in sprouting will depend on the oats you use. Soak the oats from twelve to twenty-four hours, and for this purpose we supply the latest improved "PROGRESSIVE" sprouter with a soaking tank at the top. The picture shows the soaking tank inverted in the act of dumping the soaked oats into the top section.

The surplus water in the soaking tank as you empty each time will drain down through each section, re-moistening the lower sections of oats, and then drain out through a small pipe in the bottom.

These sprouters are made from galvanized steel and will last for years.

100 hen size without soaking tank -----	\$8.50
250 hen size -----	16.00
500 hen size -----	20.00
750 hen size -----	30.00
Double "Progressive" Sprouter, 1500 hen size ----	46.00

BROODER AND SPROUTER LAMPS

No. 2 Square Fount complete with chimney and No. 2 burner. Price \$2.50.

No. 3 Square Fount complete with chimney and No. 3 burner. Price \$2.75.

No. 2 Round Founts only. Price 80c.

No. 3 Round Founts only. Price 85c.

LAMP BURNERS

No. 1 Brooder Lamp Burner, 65c.

No. 2 Air Cooled Lamp Burner, 75c.

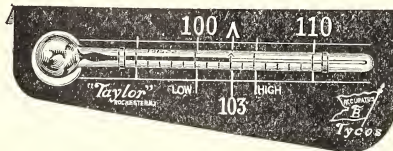
No. 3 Air Cooled Lamp Burner, 90c.

CHIMNEYS

No. 2 Metal Chimney for incubator. Size 3-inch. Price 35c.

No. 3 Metal Chimney for incubator or brooder. Size 5 or 7 in. Price 50c.

THERMOMETERS FOR INCUBATORS



No. 5783 Tycos, CERTIFIED, triangle shape metal back, best incubator thermometer made, certified correct. Worth the additional cost. Price \$1.15.

No. 1092 WILDER

Equipped with adjustable legs which will allow the instrument to stand at any angle in any part of the machine. Price 90c

No. 1052 Wilder, triangle shape, metal back. Price 80c.

BROODER THERMOMETERS

No. 5792 Tycos. Wood back, nice finish. Price 80c.

No. 5794 Tycos, straight metal back. Price 70c.

No. 1112 Wilder. Straight metal back, Price 70c.

St. Helens Brooder Thermometer, wood back. Price 75c.

HYGROMETER

No. 5796 Tycos Incubator Hygrometer. 4 in., black scale, mercury tube. Price \$1.85



ELECTRIC EGG TESTER

Attach to any regular lamp socket and you can test your eggs in two or three days after incubation when the infertile eggs are still good to eat. Price, \$1.75.

EGG TESTERS

X-Ray—This egg tester is made to use on a lamp and will fit the ordinary No. 3 burner; very convenient and good. Price 25c.

LAMP WICKS

No. 1—Price 2 for 5c; dozen 20c.

No. 2—Price 2 for 5c; dozen 20c.

No. 3—Price 5c each; dozen 40c.

GAS LANTERNS

The Coleman Quick Light Gas Lantern

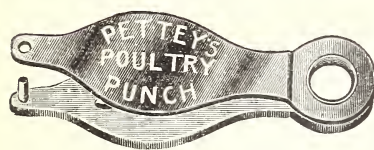
Light with a match. No other generating required. It gives a 300 candle power light of wonderful quality. It is clean, brilliant, economical and safe for poultry houses. Price each \$9.50.

Coleman Model L327 Gas Lantern, price each \$7.50.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

MISCELLANEOUS POULTRY SUPPLIES

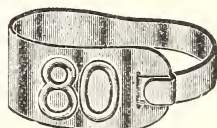
PETTY'S POULTRY PUNCH



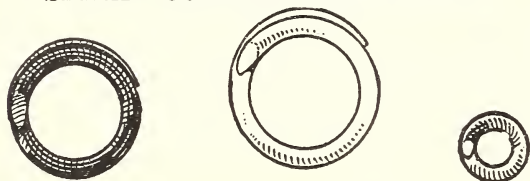
Latest, most convenient Poultry Punch; can be put on a key ring or used for a watch charm. Will not clog. Thoroughly practical. Price, postpaid, 25c.

LEG BANDS

Leader—Latest and best adjustable leg band out. Has neat, compact and smooth fastening, with non catching points; easily attached and is absolutely secure. Prices, postpaid, 12 for 15c; 25 for 25c; 50 for 40c; 100 for 75c.



SPIRAL COLORED LEG BANDS



MEDITERRANEAN (AMERICAN BABY CHICK

Made like a key ring—easy to put on, nothing to catch or tear off—instantly identifies your birds as far as you can see the color. All sizes from chick to mature fowls. Ten color—Red, white, yellow, black, pink, green, brown, purple, light blue, dark blue. Prices: No. 9—Mediterranean. One doz, 10c; 50 for 35c; 100 for 60c.

No. 11 and 12—American and Asiatic—One doz., 10c; 50 for 35c; 100 for 65c.

Baby Chick Spiral Colored Leg Bands. Price, 1 doz., 10c; 3 doz., 25c; 100 for 40c.



BANDETTES

COLORED CELLULOID LEG BANDS BIG VISIBLE NUMBERS

Bandettes are strongly made, will not become uncoiled, and having a smooth, plain surface, do not get clogged with dirt to obscure the numbers. The colors are not affected by weather; are always bright and distinctive.

The large numbers are impressed in bold type and cannot come off. After printing the numbers are covered with indestructible laquer. Made in colors: green, pink, yellow, red and blue.

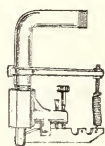
25 for 50c; 50 for 90c; 100 for \$1.75; 500 for \$7.50.

J. B. AUTOMATIC FAUCET

A labor saver for poultrymen. Works on barrel or pressure system. Easily attached. Simple construction. Made entirely of brass. Fully guaranteed. Price each \$1.50.



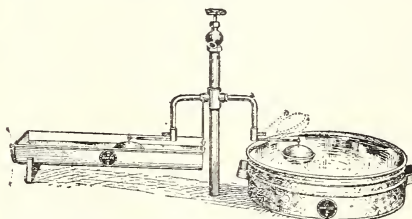
GUARANTEED AUTOMATIC FAUCET



This "Guaranteed" Automatic Water Fountain is especially designed for poultry. It can be attached to any city water line, farm storage tank of even a barrel. It supplies fresh water to the chickens automatically. It is operated by gravity pressure, the weight of the water in the pan controls the valve. It is made of high grade brass throughout, fits standard 1/4-

inch pipe. Price each \$1.50. Send for circular. Postage extra.

SERVALL FLOAT FOUNTAIN



The illustration shows two ways that the Servall fountain can be used.

Every part of this fountain is made of pure brass, also the float. The Watertite Valve is

one of the good features of this fountain. Made to fit standard 1/4 inch pipe.

CAPONIZING TOOLS



Every poultryman should have the New Philadelphia Caponizing Set. Supplied complete in pasteboard box. Price, per set, \$3.00.

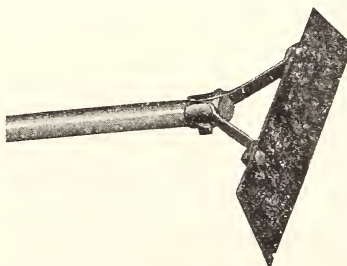
EGG SCALE



A well constructed, accurate and reliable Egg Scale at very nominal price. They are of the 22 oz. and 19 oz. types or in other words

for first grade and pullet eggs. Each one is intact in itself. Price, 50c; postpaid, 55c.

No. 995 STAR POULTRY HOUSE SCRAPER



Heavy steel blade, 13 in. long is shaped with a sharp angle at each end of the scraping edge so as to get into corners and cracks. Blade is held rigid by heavy malleable braces running each way from the handle socket. Weight each 4 lbs., Price, \$1.25.

MISCELLANEOUS POULTRY SUPPLIES

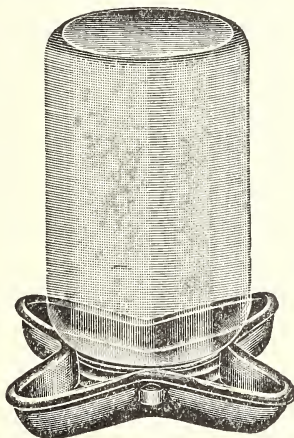
STAR SANITARY FOUNTAIN AND FEEDER

For water, grit, chick food or grain, using ordinary Mason jar, either quart or half gallon. Has galvanized pan that is quickly detachable. The best fountain of this type. Price, one size only, without jar, Weight $\frac{1}{2}$ -lb. Each 10c; doz., \$1.10. Star Fountain and Feeder

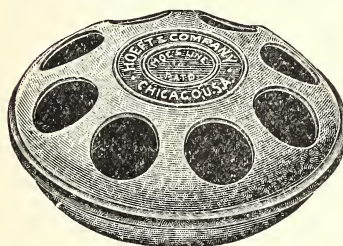
Jars not furnished with Star Founts

10-QUART TIP-OVER PAILS

Just fill and tip them over. Price each, \$1.40.



MOE'S ROUND BABY CHICK FEEDERS



Can be taken apart easily for filling or cleaning.

No. 11—6 in. with 8 holes. Price each, 15c; 2 for 25c; doz. \$1.45.

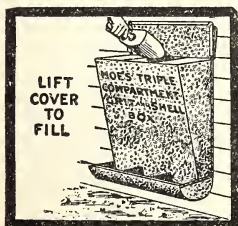
No. 12—8 $\frac{1}{4}$ in. with 12 holes. Price each 25c; per doz., \$2.75.

MOE'S GALVANIZED IRON DRINKING FOUNTAINS

Our galvanized Iron Drinking Fountains embody every good feature of the down-to-date drinking fountains, and we believe, are the best in use. They are easily filled, cleaned and kept clean. If placed in the shade in Summer time, the water will keep nearly as cool as in an earthen vessel. They are much lighter than the earthenware fountains and are safer to ship. A dozen can be put in compact package for shipment as they nest together. We offer them at a very low price.

Lareg size, about 1 gallon; weight 1 $\frac{1}{2}$ lbs., each 60c.

MOE'S SANITARY SELF-FEEDING BOXES

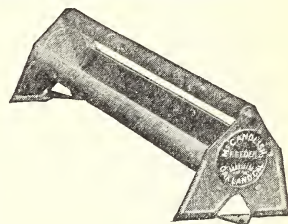


Made of heavy galvanized iron; soon pays for itself in preventing waste of feed. For keeping grit, shells and charcoal before the fowls at all time. 3 compartments. Weight, 2 $\frac{1}{2}$ lbs., Price, 95c.

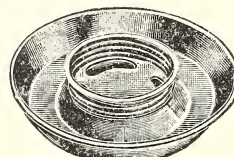
McCANDLISH IMPROVED CHICK FEEDER

McCandlish Improved Chick Feeder is the latest and most practical young chick feeder on the market. The top bar as shown in cut revolves so chicks are unable to stand on it. Made in three sizes.

12-in. ----- 40c
20-in. ----- 50c
30-in. ----- 75c



MOE'S MASON JAR FOUNTAIN

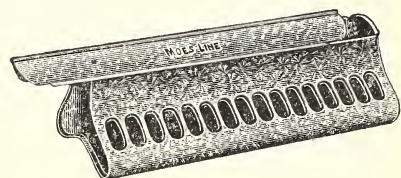


Moe's No. 142 round Mason Jar Fountain is made of heavy rust resisting metal and is the finest fountain of its kind. No solder used in its construction. Price each 10c; per doz. \$1.10.

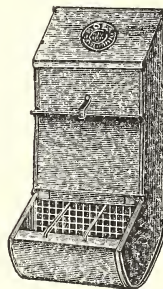
MOE'S LARGE CAPACITY FEEDER

The finest feeder made to care for both large and small flocks. A wonderful feeder for growing chicks and a great labor saver when chicks are raised in large flocks. Made of heavy galvanized iron, with a large capacity. Sliding top cover, easy to fill and clean, and the birds cannot roost on the top or sides.

No. 141—Capacity 17 quarts, length 35 in. Price \$2.40



MOE'S DRY MASH HOPPER



A dry mash hopper of great merit, made of heavy galvanized iron. The curved bottom keeps the feed within easy reach of the birds and taper shape of hopper, prevents feed from clogging.

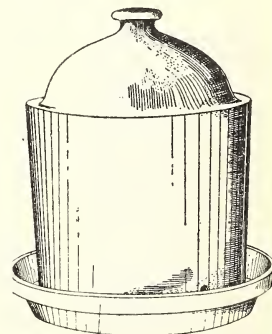
No. 36—12 in. wide, 19 in. high. Capacity 14 qts. Price each \$2.20.

No. 37—24 in. wide, 19 in. high. Capacity 32 qts. Price each \$3.10.

CROCK FOUNTS FOR WATER OR BUTTERMILK

3 sizes

$\frac{1}{2}$ -gal. Fount, 60c
1-gal. Fount, 80c
2-gal. Fount, \$1.25

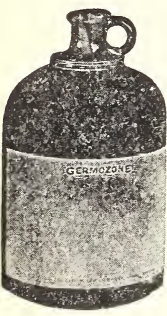


POSTAGE EXTRA
on all feeders
and founts.

Poultry Remedies

LEE'S GERMOZONE

Marvelous for Poultry

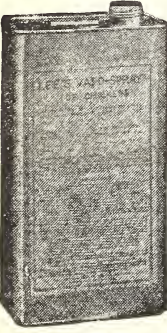


The regular use of Germozone in the drinking water every day is a big factor in preventing disease among poultry. During the last four years, Germozone has been widely used with remarkable results in treating, controlling and preventing Necrotic Enteritis and other intestinal disorders of swine. There are hundreds of uses for Germozone.

Prices: 12-oz. bottle 75c; 32-oz. bottle \$1.50; ½-gal. \$2.50; 1-gal. \$4.50.

LEE'S VAPO-SPRAY

For Colds, Bronchitis (Flu) and Pneumonia in Poultry




Lee's Vapo-Spray is a compound of oil of pine tar, coal tar and eucalyptus, and is especially valuable in the treatment of bronchitis, commonly called "flu" and other bronchial troubles of poultry.

Price, ½-gal. can \$1.25.

LEE'S FLU-KOFF EMULSION

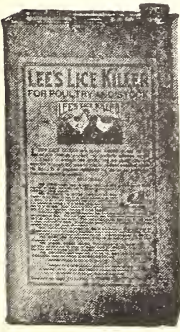
For Colds, Bronchitis, (Flu) or Pneumonia in Poultry



Lee's Flu-Koff Emulsion is a sort of cough syrup, and acts much the same as a cough medicine does when taken by human beings. It is fed in wet mash or soaked grain, and contains medicines that have a tendency to allay the cough and lower the temperature. It is usually used in conjunction with Lee's Vapo-Spray.

Price, 32-oz. bottle \$2.25.

LEE'S LICE KILLER



Destroys either by vapor or contact. No trouble to apply; just paint the roosts or wall at night. Rids poultry houses of all vermin. Is prepared exclusively for this purpose. Prices: qt. can, 60c; ½-gal. 90c; 1 gal. \$1.50.

LEE'S LICE POWDER

Price, 1-lb. can, 30c.

Lee's text book on "The Diseases of Poultry and Swine" FREE on request.

LEE'S POULTRY WORMER

Expels Round worms, Pin worms and Tapeworms.
A most effective remedy.

Lee's Poultry Wormer is a compound of medicines or vermifuges—the only one we know of, one dose of which is efficient in removing ALL THREE KINDS of the intestinal parasites commonly found in poultry—namely, Round Worms, Pin Worms and Tape Worms.

Lee's Poultry Wormer is a powerful remedy, necessarily so in order to remove all three of the intestinal worms; but it is in no sense dangerous to use, if administered according to our simple directions. Lee's Poultry Wormer is put up in the following sizes:

12-oz. bottles, for 36 fowls or 75 half-grown chicks \$1.25
32-oz. bot., for 95 fowls or 190 half-grown chicks \$2.25
½-gal. bot., for 190 fowls or 380 half-grown chicks \$3.25
Gal. bottles, for 380 fowls or 760 half-grown chicks \$7.00

LEE'S POULTRY DOSING SYRINGE

This method has many advantages. In the first place it is not necessary to starve the birds. It is more economical, as there is no waste. Each bird gets just the right amount—no more—no less—which is very important in getting best results—and results are what you are after. Flock treatment, in food or water, has proven ineffective and unsatisfactory.

Price each 35c.

LEE'S DIP AND DISINFECTANT

A Coal Tar-Cresote Stock Dip and Disinfectant.

Lee's Dip is highly concentrated, containing not over 8% inert matter. (Water sufficient to prevent gelatinization during cool weather). One gallon makes from fifty to one hundred gallons dipping or disinfecting solution, quantity depending upon what it is to be used for.

MISCELLANEOUS POULTRY FOODS

Beef Scraps, Granulated Bone, Dried Buttermilk, Bone Meal, Chick Food, Developing Food, Cracked Corn, Scratch Food, Granulated Charcoal, Poultry Pepper, Sunflower for Feed, Sprouting Oats—at market prices.

JONES SULPHUR CANDLES

For Fumigation. ¼-lb. size. Price each 10c; per doz. \$1

SODIUM FLORUIDE

1-lb. 30c; 2-lb. 55c; 5-lb. \$1.25; 10-lb. \$2.30.

CRESOTE

1-gal. 65c; 5-gal. \$2.25.

BARNES EMULSION

Barnes Emulsion is a harmless Vitamin Containing product which can be fed with safety to domestic animals and poultry. It is not poisonous and contains no corrosive acids. It is not a stimulant. Make a comparative test and prove to yourself that it is the better way of controlling worms in poultry.

Prices: quarts \$1.00; gals. \$3.00; 5 gals. \$12.00.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

POULTRY FOODS AND REMEDIES

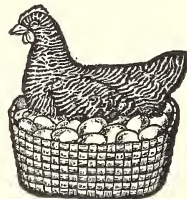
Blatchford's "Fill-the-Basket" Egg Mash

THE STANDARD OF PERFECTION IN EGG MASHES

Blatchford's "Fill-the-Basket" Egg Mash is built upon the principle that the hen is an egg-making factory and that eggs are *manufactured* from the feed she receives. Consequently, her feed must be rich in materials required for egg-production. Scratch grains alone are not sufficient. They will maintain the hen's life, but *surplus* nourishment is absolutely necessary if she is to yield her maximum of eggs. Blatchford's Egg Mash successfully solves the problem of securing eggs both winter and summer. Every bag guaranteed to give satisfaction.

25-lb. sack, \$1.35; 100 lbs., \$4.35.

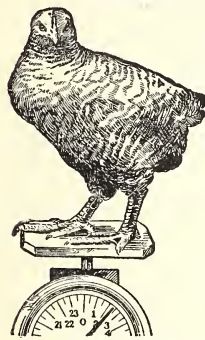
BLATCHFORD'S CHICK MASH



TRADE-MARK

That's when you get eggs.

Prices: 1½-lb. pkg. 30c; 5-lb. pkg. 85c; 12-lb. pkg. \$1.75; 25-lb. sack \$3.50.



2½ lbs. at 8 weeks!
Trade Mark
Reg. U. S. Pat. Off.

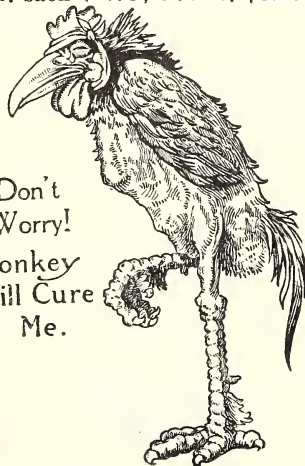
avored starting and growing feed of the most prominent poultry-raisers in the country. It contains all the feeds and nutriment chicks need right from the start. It shields them from white diarrhea, bowel trouble and leg weakness. It does not force, but, by supplying proper nourishment to each and every part of the body, promotes steady and complete development in the shortest possible time. It contains no screenings, hulls or cheap by-products from the manufacture of breakfast foods, cereal foods or scratch grains. It carries chicks all the way—starts, grows and matures—without change of feed.

10-lb. packages, 85c; 25-lb. sack \$1.75; 100-lb. \$6.25.

CONKEY'S
POULTRY
REMEDIES

	Price
Bronchitis Remedy	---60c
Blackhead Remedy	---60c
Cholera Remedy	---60c
Gape Remedy	---60c
Limberneck Remedy	---60
Worm Remedy	---30c
Roup Remedy	---30c
Roup Remedy	---60c
Roup Remedy	---\$1.20
Roup Remedy	---\$2.50
Rheumatic Remedy	---70c
White Diarrhea	" 30c
White Diarrhea	" 60c
White Diarrhea	" \$1.20
Write for "Conkey's Poultry Book" FREE!	

Don't
Worry!
Conkey
Will Cure
Me.



CONKEY'S HEAD LICE OINTMENT IN TUBES

Small size 15c.

CONKEY'S MITE LIQUID

For mites on poultry, or in house. Price: qt. can, 60c; 2-qt. can, 90c; 1-gal. can, \$1.50.

DR. HESS POULTRY REMEDIES

Dr. Hess Poultry PAN-A-CE-A Insures a Healthy, Singing, Scratching, Paying Poultry Flock

Put your hen in laying trim—then you have a laying hen.

You want music in your poultry yard—Song, scratch, cackle.

You want an industrious hen—a hen that will get off her roost winter mornings, ready to scratch for her breakfast.

A fat, lazy hen may be all right for pot-pie, but for egg-laying—never!

Add Pan-a-ce-a to the ration daily, and see the change come over your flock. See the combs and wattles turn red. See them begin to cheer up and hop around. See the claws begin to dig in.

DR. HESS INSTANT LICE KILLER

Price: 1½-lb., pkg., 30c; 2½-lb. pkg., 60c.

DR. HESS WHITE DIARRHEA TABLETS

Price: Small size 25c; large size 50c.

DR. HESS ROUP REMEDY

Price: Small sizes, 25c; large size, 50c.

DR. HESS ROUP TABLETS

Small package 50c; large package \$1.00.

DR. HESS HEALING POWDER

For cuts, galls, scratches, ulcers, sores and wounds. 4-oz. sifter can, price 25c.

When you buy any Dr. Hess Product, our responsibility does not end until you are satisfied that your investment is a profitable one. Otherwise, return the empty container to your dealer and get your money back.

CARBOLINEUM

The famous wood preserver and insecticide. Paint or spray your chicken house, hog pens, tables, sheds, etc., with Carbolineum to permanently destroy all poultry and other vermin and preserve your buildings from rot and decay. Price, quart can, 60c; 1 gallon can, \$1.75; 5 gallon can, \$8.00.

CHINA NEST EGGS

Best grade opal eggs. Weight, per doz., ¾ lb. Price dozen 30c.

POWDER GUNS

Whirlwind—Very economical for using insect powder of any kind. Price 35c; postpaid 40c.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

STOCK REMEDIES

BAG BALM



For all diseases of udder and teats, such as caked bag, sore teats, bunches, chapping, cuts, or inflamed parts, you can use this remedy with perfect safety; positive results in every case. There is nothing better for keeping all the parts healthy and in the pink of condition—sanitary and clean. The use of BAG BALM will make decidedly easier milkers of your herd. Try BAG BALM and your shelf will always be stocked with it. It has a variety of uses.

Price per package 60c.

GRANGE GARGET CURE

For that serious disorder peculiar to cows—garget, our GRANGE GARGET REMEDY is favorably known to every dairyman. Bear in mind that garget is a disease by itself, with peculiarities that demand a special remedy that goes scientifically to the cause of this trouble. It is a great mistake to confuse this disease with caked bag, bunches in bag or anything else than what it is. Our GRANGE GARGET REMEDY has been used for more than 25 years. A can is enough to treat 15 cases.

Price per can, 65c.



DR. HESS FLY CHASER

Dr. Hess Flychaser is a thoroughly reliable fly repellent. It drives away flies and mosquitoes. It insures fly immunity while milking. It affords cows contentment during those busy morning grazing hours. It is long lasting. It has a pleasant odor. It does not stain the animal. It does not gum the hair. It does not taint the milk. Guaranteed satisfactory or your money back.

Prices: 1 quart 60c; ½-gal. 90c; 1 gal. \$1.50.

DR. HESS DIP AND DISINFECTANT

(Standardized)

As an aid in disinfecting Hog Pens, Kennels, Poultry-Houses, Barns, Outhouses, Drains and Sinks.

As an aid in the treatment of Scab, Ringworm and Superficial Mange.

As an aid in eliminating Lice, Fleas, Mites, and Sheep Ticks from Horses, Cattle, Sheep, Swine, Dogs, Goats and Poultry.

A reliable Disinfectant, Germicide, Deodorizer, Good alike for Home and Stable.

Carbolic acid coefficient—5 by Rideal Walker Method
Price: 1 quart, 75c; ½ gal., \$1.25; 1-gal., \$2.00.

DR. HESS STOCK TONIC

Is a scientific compound for horses, cattle, hogs and sheep. Prices: 2-lb. pkg., 35c; 4½ lbs., 75c; 10 lbs., \$1.50; 25-lb. pail, \$3.50.

DR. HESS HEAVE CURE

Price: 1½-lb. pkg., 50c.

DR. HESS WORM POWDER—For Stock

Price: 1½-lb. pkg., 50c.

You can get one of Dr. Hess Poultry or Stock Books for the asking.

KOW-KARE

KOW-KARE is the most famous of our remedies. It has so many uses on the dairy farm, its supply should never be permitted to get low. It is recommended for scouring, loss of appetite, bunches; especially favorable in cases of possible or threatened abortion. Widely recommended for barrenness, for retained afterbirth, for milk fever. There is no better medicine for cows. This remedy is made only for cows, and while of incalculable value on the dairy farm, its use means but a cent a day per cow.

Price, large size \$1.25; medium size 65c.



Antiseptic—
NOT A POISON
Powerful Sterilizer,
Deodorant, Disinfectant

Used on farms and Dairies to sterilize fillers, cans, pails, strainers, churns, milk bottles, milking machines, cream separators. For disinfecting and deodorizing stables, floors, gutters, hog pens, poultry houses and used on livestock for wounds, cuts, contagious abortion, retained after-birth, calf scours and also in whitewash. Every farmer should use B. K.

Trial size, price each, 35c.

B. K. Disinfectant, 10-oz. bottle. Price each, 65c.

B. K. Disinfectant, 32-oz. bottles. Price each, \$1.25.

B. K. Disinfectant, 1-gal. Bottles. Price each, \$3.00.

Not available on account of being a liquid.



Your cows will repay you with more and better milk if you keep them free from flies.

Guaranteed to give satisfaction or we will cheerfully refund your money.

Once you try Cow-Ease you'll wonder how you got along without it.

1 quart Cow Ease, 60c; ½ gallon Cow Ease, 90c; 1 gallon Cow Ease, \$1.50.

Use one of our Continuous Spray Pumps (Listed on Page 68) for economical application of fly spray. They are efficient.

BLATCHFORD'S CALF MEAL

First on the Market—First in Quality—First in Results

Blatchford's Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will pay you to use it. 25-lb. sack \$1.75; 100-lb. sack, \$6.15.

Prices Subject to Change
Without Notice



SPRAYS AND INSECTICIDES

Insect or Disease	Plant Attacked	Spray With	Quantity for 1 Gal. Spray (To 1 gal. water)	Quantity for 50 Gal. Spray	SPRAYING TIME
Codling Moth	Apple, Pear	Arsenate of Lead	1½ to 3 Tablespoonfuls	1 to 2 lbs.	1. When blossoms fall before calyx closes. 2. Three weeks later. 3. Six weeks later. 4. Seven weeks later. 5. Three weeks later.
San Jose Scale Oyster Shell Scale	Apple, Pear	Lime Sulphur (Liquid or dry)	Liquid 14 to 18 Tablespoonfuls Dry 9 to 11 tablespoonfuls	Liquid 5-gal. Dry 12 to 15 lbs.	After leaves drop in fall or before buds swell in spring
Woolly Aphis	Apple	Blackleaf "40" with whale oil soap Tree Tangle-foot	1 teaspoonful 1 oz. soap Spread thin band tree about 6" wide and 4 ft. from ground	½ lb. 2 lbs. Soap	When Insects Appear After leaves drop in fall or before buds swell in spring
Green, Rosy Black & Mealy Aphis	Apple, Peach Plum, Prune Cherry, Shrubs Flowers and Beans	Blackleaf "40" with whale soap	1 teaspoonful 1 oz. soap	½ lb. 2 lbs. Soap	When buds swell in spring, later when insects appear, before leaves curl. (Note: Blackleaf "40" can be used in combined sprays with lime & sulphur)
Cabbage Aphis	Cabbage	Blackleaf "40" with whale oil soap	1 teaspoonful 1 oz. soap	½ lb. 2 lbs. Soap	When insects appear
Cabbage Worm	Cabbage Cauliflower	Arsenate of Lead Garden Guard	1½ tablespoonful use as dust	1 lb. Use as dust	When worms appear, but not after plants start to head
Snails, Slugs	Vegetables, Flowers and Plants	"Snarol" snail control meal			Scatter freely around plants in evening
Leaf Curl	Peach, Plum and Pear	Lime sulphur (Liquid or dry)	Liquid 14 to 18 tablespoonfuls Dry	Liquid 5-gal. Dry 12 to 15 lbs.	After leaves drop in fall or before buds swell in spring
Mildew	Currants Gooseberries Roses	"Acme" 2-way spray Garden Guard	9 to 11 tablespoonfuls 9½ tablespoonfuls Use as dust	9½ lbs. Use as dust	Begin spraying when buds burst and apply 4 or 5 sprays at 10 day intervals
Tent Caterpillars	Apple Currants Gooseberry	Arsenate of Lead	1½ to 3 tablespoonfuls	1 to 2 lbs.	When buds show pink

FLOWERS:

For leaf eating insects dust heavily with Acme Garden Guard. For sucking insects such as aphid or plant lice spray with Black Leaf "40" at the rate of 1 level teaspoonful and 1 ounce of soap to 1 gal. water. For blight, rust or other forms of fungous growth spray with solution of 8 to 10 level tablespoonfuls Acme Bordeaux Mixture to 1 gal. of water.

SHADE TREES:

For leaf eating worms and caterpillars spray with Acme Arsenate of Lead at the rate of 6 level tablespoonfuls to one gallon of water; to combat oyster-shell and scurvy scale on shade trees use Acme Lime Sulfur at the rate of 9 to 11 level tablespoonfuls in each gallon of water.



strawberries. ½ pint 50c; pints, 65c; quarts, \$1.00; gals., \$2.50.

For destroying and preventing maggots, grubs and worms that infest turnips, radishes, beets, rutabagas, cabbage and cauliflower, etc., also recommended for combating crown borers in



WHALE OIL SOAP

Used in combination with Blackleaf "40."

For Aphis, plant lice, etc.

Price: 1-lb. Brick, 15c.

TREE TANGLEFOOT

For caterpillars, moths and worms. Protects against all climbing insects. One pound makes a band 9 feet long. Price: 1 lb., 60c.

KAYSO

Spray spreader and adhesive. Spreads the spray and makes it stay. Sold in cans net weight 8 oz. 15c each. Use 2 tablespoonfuls to each 10 gallons of spray.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

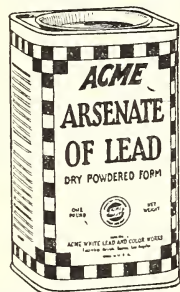
SPRAYS AND INSECTICIDES



As good as the liquid product without 65% water



Spray "Bordo" before appearance of the fungous spore



Easy on Foliage—

Hard on Bugs Write for Prices in large quantities

ACME DRY LIME SULFUR

Acme Lime Sulfur is a standard 33° Baume Lime Sulphur solution (converted to dry powdered form) having all the effectiveness of the liquid product when dissolved in water.

Due to being condensed into a powder, it is much more convenient to handle, dissolves readily in cold water, does not deteriorate, freeze or crystallize, eliminates paying freight on 65% of water.

1-lb. Can, Price Ea. -----	\$.30
5-lb. Can, Price Ea. -----	1.25
10-lb. Can, Price Ea. -----	2.25
25-lb. Drum, Price Ea. -----	4.00
50-lb. Drum, Price Ea. -----	\$6.50
100-lb. Drum -----	11.50

ACME BORDEAUX MIXTURE

Acme Bordeaux Mixture is a properly balanced mixture carrying equal parts of Lime and Blue Vitriol.

Acme Bordeaux Mixture is as effective as and does away with all the inconveniences of a home made Bordeaux Mixture. Sold in dry powdered form only as the copper content in Bordeaux Mixture cannot keep active in the presence of moisture.

1-lb. Cartons, Price Ea. -----	\$.45
4-lb. Paper Bags, Price Ea. --	1.25

ACME ARSENATE OF LEAD

Acme Arsenate of Lead contains not less than 30 to 33% of Arsenic Oxide and not more than 1% water soluble Arsenic oxide, insuring maximum effectiveness and minimum damage to the foliage. Being extremely fluffy, Acme Arsenate of Lead is a superior.

(Poison—Cannot be Mailed)

½-lb. Cartons, Price Ea. ----	\$.25
1-lb. Cartons, Price Ea. -----	.35
4-lb. Paper bags, Price Ea. --	1.15

REX LIME and SULPHUR LIQUID

Solution for San Jose scale is endorsed by experimental stations and state horticultural societies of all the fruit growing states. It is recognized and recommended as the best known preparation for exterminating San Jose on all deciduous trees. Rex Lime and Sulphur Solution is made of the purest and best quality of Sub-limed Sulphur and of Lime that tests 99.98 per cent pure. It is a clear, deep cherry colored liquid, free from sediment and is a beautiful product, is very reasonable in price, and its work is perfect. It is all ready to mix just as you get it. Merely add 11 gallons of water with each gallon of the Lime and Sulphur Solution. There is no sediment to clog the sprayers. No boiling to be done, which saves fuel, time, labor and annoyance. It is always alike and uniform in strength and results. Prices: qt., 25c; gal., 75c; 5 gals., \$2.50; bbl., \$13.00.

ACME GARDEN GUARD

A convenient and economical garden insecticide and fungicide ready for use as it comes in the package.

No sprayers, sprinklers of water are required. Use as a dust. Just sift from the shaker top carton on plants. Apply when plants are damp, early in the morning or late in the evening when the dew is on.

An Ideal Insecticide for the Housewife to Use.

1-lb. Sifter top Carton, Price Ea	35c
5-lb. Paper bags, Price Ea. ----	90c



Apply Dry and Watch the Bugs Die

ACME 2-WAY SPRAY

An approved balanced combination spray for combating chewing insects and fungus diseases in one application. Can be applied as a dust without fuss or mixing as well as in a liquid spray if desired.

The cost of application is by far the greatest expense of spraying, making a properly balanced double acting spray a decided economy.

ACME 2 WAY SPRAY is composed of 14% Arsenate of Lead and 83% Bordeaux Mixture. When used according to directions the spray will be an approved balanced two-way spray which will effectively combat the chewing insects and fungus diseases as well. (Poison—Cannot be Mailed)

½-lb. Cartons, Price Ea. ----	\$.25
1-lb. Cartons, Price Ea. -----	.45
4-lb. Paper bags, Price Ea. --	1.25

ACME PARIS GREEN

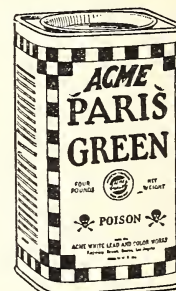
Acme Paris Green is scientifically made from carefully selected raw materials. Contains over 50% Aseious Oxide.

Poison, cannot be mailed.

¼-lb. Cartons, Price Ea. -----	15c
1-lb. Cartons, Price Ea. -----	50c



One Application Two Results in



Strong, Deadly Effective

BLACK LEAF "40" FOR APHIS

Nicotine Sulphate

Latest and best tobacco spray for aphis, thrip, plant lice, etc. One pound makes 170 gallons. 1-oz. bottle, 35c; ½-lb. can, \$1.25; 2-lb can, \$3.50; 10-lb. can, \$13.50.

NICO-FUME (Liquid)

The best fumigant and spray for greenhouse work. Kills aphis, red spider, mealy bug, thrip, etc. 4-lb. can \$8.00; 8-lb. can \$15.00.

Caution Against Spraying When Trees Are in Full Bloom—Spraying when trees are in bloom may destroy bees and other insects necessary to pollinate and these natural agents should not be interfered with as their work of transferring the pollen insures bountiful crops and shapely fruit.

POISONS AND INSECTICIDES

CYANOGENAS

Cyanogas "A" Dust kills by giving off gas on exposure to the moisture in the air. For control of ants, rats, fleas, moles, poppers, wireworms, snails, slugs. 1-lb. cans price each, 65c.

"G" Fumigant for greenhouse fumigation 5-lb. can, price each, \$2.60; 25-lb. can, price each, \$9.00.

Poison, cannot be mailed.

BLUESTONE—Vitol

Lb., 15c; per 100 lbs., market price.

SULPHUR, POWDER

Lb., 6c; 100 lbs., market price.

TOBACCO DUST

Lb., 15c; 10 lbs., \$1.20.



SNAROL

A Reliable Method for Controlling Snails, Slugs and Cut Worms



SNAROL is a meal, carefully prepared, contains active ingredients placed in it by special process, and is in fact made to imitate the natural food which these pests are fond of.

The object in developing SNAROL by the Antrol Laboratories, was to make something that would not injure the plants, and could be placed about as a food for snails and slugs. Stomach poisons have proven to be the most successful in these cases, and SNAROL can be placed about without any danger of destroying vegetation and is perfectly safe.

2 1/4 lb. carton, price each -----75

GRAFTING WAX

One lb., bars. Price 50c; 1/2 lb., 30c; 1/4 lb., 15c.

TREE LABELS

Painted Copper Wired Tree Labels

Price per M ----- \$2.50

Price per 100 ----- 35c

POT LABELS

4 in. Painted, price per M ----- \$2.15

4 in. painted, price per 100 ----- 30c

5 in. painted, price per M ----- \$3.00

5 in. painted, price per 100 ----- 35c

6 in. Painted, price per M ----- \$3.00

6 in. painted, price per 100 ----- 40c

8 in. painted, price per M ----- \$7.00

8 in. painted, price per 100 ----- 75c

10 in. painted, price per M ----- \$7.50

10 in. painted, price per 100 ----- 85c

OKAY GOPHER POISON

(Raisons and Grain)

For destroying—rats, mice, squirrels, gophers and prairie dogs.

1 lb. Pkg. Price Each ----- 65c

MOLE EXTERMINATORS

Price Per Pkg. of 10 ----- 90c

Price Each ----- 10c

MOLE TRAPS

Out o' Sight, Price Each ----- \$1.35

A Mercuric Disfectant

For General Agricultural Purposes and the Control of Seed, Plant and Soil Diseases



Potato Diseases, Smut, Stem and Leaf Diseases of Wheat, Barley, Oats and Rye. Brown Patch in Lawns.—Write for free booklet

COST OF SEED TREATMENT WITH SEMESAN

The cost of treatments with Du Pont Semesan is insignificant, especially in contrast with the results it produces. One pound of Semesan will treat 240 pounds of the average vegetable seed by the dust method or 960 pounds if liquid applications are employed, which means only from 1/4c to 1c per pound of seed.

2 ounces-----	\$0.60	1 pound-----	\$ 2.75
4 ounces-----	1.00	5 pounds-----	13.00
8 ounces-----	1.60	25 pounds-----	62.50

(Poison—Cannot be Mailed)

RAT NIP

To rid your place of rats quickly and effectively, use Ratnip. Ratnip comes in tubes, making it clean and easy to handle. It can be squeezed out without coming in contact with the hands.

Price, Per Tube ----- 35c



SPRAY PUMPS

LEVER HANDLE BUCKET PUMP No. 126

The Hudson Marvel Spray Pump handles all spray solutions. Its high pressure adapts it for use in small orchards and in home gardens; for use with white-wash, coldwater paint, insecticides and disinfectants.

All working parts are made of brass. Valves and nozzle parts are easily removed for cleaning.

Equipment—3 ft. of 3/8 in hose, a 12-inch extension and Ideal Fog Nozzle with discs for fine spray or solid stream.

Price -----\$6.00

No. 14 WHITE WASH PUMP

No. 14—Whitewash sprayer and froce pump is designed for use in pail or bucket and will fit any size. The pump is made of galvanized iron. The top and bottom are made of brass. It is regularly equipped with 3 feet best hose, one foot brass extension rod and brass nozzle, which gives two different size sprays. It has ball valves and steel foot rest. The pump is provided with an overflow which carries all the liquid which might get above the plunger, back into the pail. The plunger is easily removed and easy to operate to do double action. This pump is especially designed for spraying whitewash.

Price -----\$3.00

HUDSON MAJOR DUSTER

This medium sized hand duster for use in the home garden. It is very effective in applying "Acme Garden Guard" and other dusting powder in places that are difficult to reach. If you have any dusting at all to do, this little powder gun will please you very much.

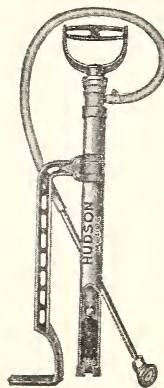
Price \$1.25.

SPRAY PUMPS

No. 125 — Air chamber 14½ inches in length; holds about 1 qt.; all tin. Price 50c.

No. 323 — Same as No. 125, except

it has galvanized tank and tin tube. Price 60c.



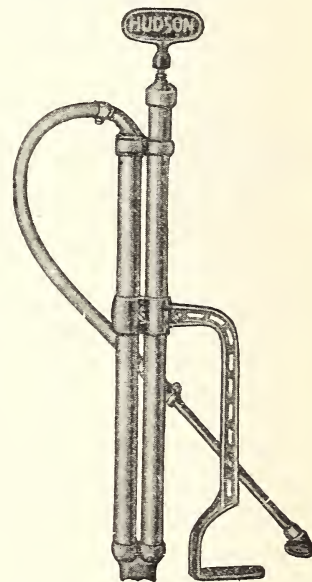
HUDSON MODOC BUCKET PUMP No. 122

The Modoc is used in spraying fruit trees, vines, garden truck, ornamental shrubs and hedges, for whitewash, disinfectants and insecticides or in an emergency as a fire pump. It is double acting, developing 150 lbs. nozzle pressure. Makes a very convenient portable outfit because it can be used with a bucket or in a small tank. Valves and plunge accessible for cleaning, etc. Nozzle discs are removable and reversible producing any desired spray from the finest to a solid stream. All parts except the handle and foot rest are brass. Equipped with 3 ft. of 3/8 in. hose, 12 in. extension and Ideal Fog Nozzle.

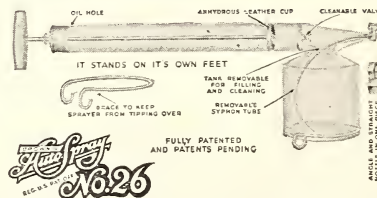
Weight 6 lbs. Price, \$4.75.

Hudson Mohawk

No. 128 Mohawk Buck-
et Pump. This little pump
is very convenient for all
kinds of work. Has brass
cylinder and valves. 3 ft.
of 3/8 in. hose, 12 in. ex-
tension and Ideal Fog
Nozzle. Price \$4.75.



It Sprays Continuously



It is so constructed that it not only sprays on the down-
ward stroke of plunger, but also when it is drawn back,
thus causing a continuous mist like spray. Air chamber
1½ inches in diameter by 14 inches long.

No. 26A Brown Auto Spray, Tin Tank, Tin Air Cham-
ber, \$1.00.

No. 26B Brown Auto Spray with Brass Tank, Tin Air
Chamber, \$1.25.

No. 26C Brown Auto Spray, All Brass Tank and Air
Chamber, \$1.50.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

SPRAY PUMPS

AUTO-SPRAY No. 9 Compressed Air Spray Pump

The Auto-Spray No. 9 is a screw top, with following exclusive features. The pump handle is malleable iron and the can collar on both galvanized and brass, sprayer is of brass, also the locking nut. With both of these parts made of brass it is impossible to have them corrode and stick so tight that they cannot be unscrewed. Packing ring on tank is held in place by a flange pump collar which floats so that it does not have to turn in its seat. This insures perfect lock and long life. Tanks are well riveted and soldered both inside and outside.

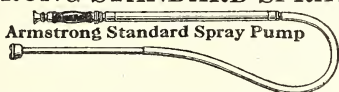


AUTO-SPRAY No. 9-D, Galvanized Tank. Price \$6.50.

AUTO-SPRAY No. 9-B, Brass Tank. Price \$9.00.

ARMSTRONG STANDARD SPRAY PUMP

Armstrong Standard Spray Pump



The Armstrong Standard Spray Pump sprays tallest trees without the use of extensions or ladders. The construction is of brass throughout. It is practically indestructible. Every Standard spray pump is guaranteed for five years.

The Standard with 3½ feet of hose and full set of Nozzles ----- \$5.50
Knapsack Attachments ----- 4.00

LOWELL COMPRESSED AIR SPRAY PUMP Note These Exclusive Points

1. It is devoid of complex or intricate parts and is the easiest understood Compressed Air Sprayer in the world.

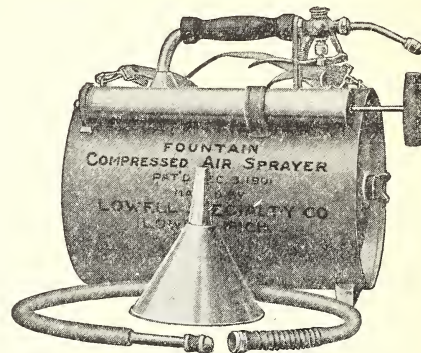
2. It is both automatic and positive in its action.

3. One charge is sufficient to expel entire contents of tank.

4. Each sprayer is thoroughly tested.

5. Machine can be easily washed and aired after using.

6. Simple in construction.

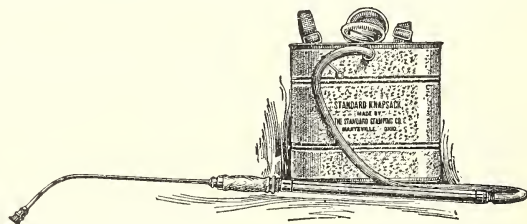


No. 110—Galv. Steel, Aluminum Finish ----- \$6.50

No. 111—Brass, Polished and Lacquered ----- \$9.00

No. 120—Galv. Baby Fountain ----- \$5.00

No. 121—Brass Baby Fountain ----- \$7.00



Extensions, 19 inches long ----- 1.00
Extra Hose, ½-inch 4 ply Red Tubing, per foot 13½c

IDEAL SPRAY OUTFIT 32 and 33

A strong durable wheel barrow sprayer. The Ideal is well designed and will develop a higher pressure than any other wheel barrow sprayer. Pump—seamless brass cylinder, 1¾ in. diameter, 7 in. long; air chamber 2 in. diameter, 30 in. long, made of steel tubing. Tank—Heavy Galvanized Steel, re-inforced top and bottom with heavy channel iron hoops. Capacity 15 gallons. Wheel—20 in. diameter by 2½ in. tire. Valves—Bronze balls, one cage. Equipment—6 ft. ¾ in. spray hose, 4 ft. ¼-in. pipe extension. Fog nozzle and leakless shut-off. Air tank is boiler iron, tested to 275 lbs. pressure. Pressure Gauge reads to 200 lbs.

No. 33 Outfit crated, weight 105 lbs. Price \$36.00.

No. 32 Outfit without Air Tank or Pressure gauge, weight 75 lbs. Price \$25.00.

2 ft. brass extension ----- 75c each
4 ft. brass extension ----- \$1.00 each

SPRAY NOZZLES

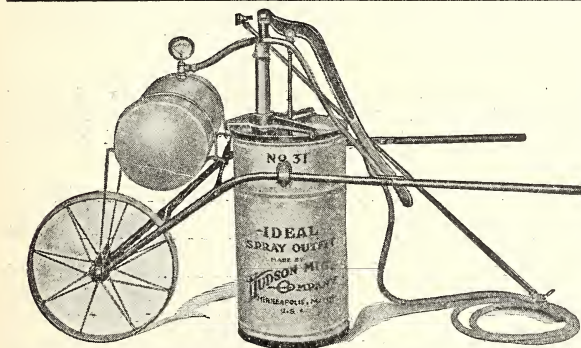
Prices Subject To Change Without Notice

Bordeaux Nozzle. Price Each, \$1.20

Vermorel Nozzle. Price Each, \$1.00.

Vapo Nozzle, straight and angle. Price 80c.

¼-inch Lever Handle Shutoff, each \$1.20.



SPRAY HOSE

For Bucket and Barrel Use.

Size ¾ inch Red Tubing. Prices per foot, 12c.

Size ½ inch Red Tubing. Price per foot, 13½c.

Size ½ inch Grey Heavy Reliance 7 ply for Barrel Pumps, per foot, 24c.

IRON SPRAY PIPE EXTENSIONS

In lengths 3, 4, 6, 8 ft. long ----- 10c per ft.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Cream Separators

GOLD MEDAL

Gets the Cream from either Warm or Cold Milk
The Ball Bearing Cream Separator With Curve Disk Bowl

Your cream separator is one of the most important machines on your farm. If it's the kind that saves money for you every day in the year through closer-skimming, it's the best investment you have.

The Gold Medal Cream Separator—a typical John Deere product—is saving money for thousands of farmers, giving more satisfaction in the things that you want in your separator. Its closer-skimming, easier-turning and longer life have made it the most popular cream separator wherever used.

Its curved disks separate every particle of butterfat from the skim milk—in cold as well as warm milk. The Gold Medal soon pays for itself in the cream it saves.

A new self-centering, self-adjusting ball bearing upper-neck bearing makes the Gold Medal bowl spin without vibration and with least possible friction. You'll find the Gold Medal the lightest-turning separator you have ever operated.

The new-type oil indicator is a mighty good feature—you can see at a glance if your machine is being properly oiled and the condition of the oil.

These and many other features, such as a noiseless drive pinion, two cream outlets, swinging supply tank and speed indicator, put the Gold Medal far out in the lead among cream separators.

The good points that place the Gold Medal on the same high standard as the John Deere plows and other John Deere machines farmers have depended upon for nearly a century.

Gold Medal Sizes

No. 10—500 pounds capacity—\$102.50

No. 11—750 pounds capacity -- 125.00

No. 12—1000 pounds capacity_ 140.00

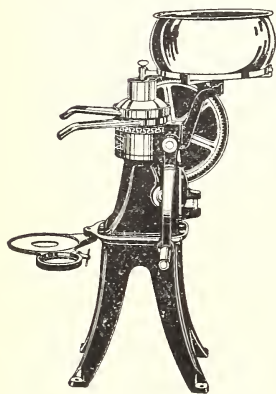
Electric Power Attachment

For all sizes. Price -----\$55.00

When ordering be sure to give voltage and type of current used.

Gas Engine Drive, complete ----\$15.00

(Write for full descriptive matter)



The Vega Cream Separator

The Big Advantage of the Separator is in its Simple Bowl

THE BOWL of the Vega Cream Separator, owing to its large circumference, gives great centrifugal force, consequently it has maximum capacity and efficiency in skimming.

PERFECT CLEANLINESS is necessary if cream of good quality is to be obtained. The bowl has no small holes to get clogged with dirt, no crevices which are hard to get at. Every part which comes in contact with milk or cream can be easily reached and cleaned.

SIZES. Vega Separators are obtainable in sizes to suit the needs of every one from the owner of one or two cows, who will find a Model E just right, to the dairyman owning a herd large enough to require the use of a Model M2 with Power attachment. We furnish five sizes with capacities as follows:

Model E—150 lbs. per hour capacity, weight 44 lbs. Price -----\$30.00

Model F2—300 lbs. per hour capacity, weight 65 lbs. Price ----- 40.00

Model G—450 lbs. per hour capacity, weight 93 lbs. Price ----- 53.50

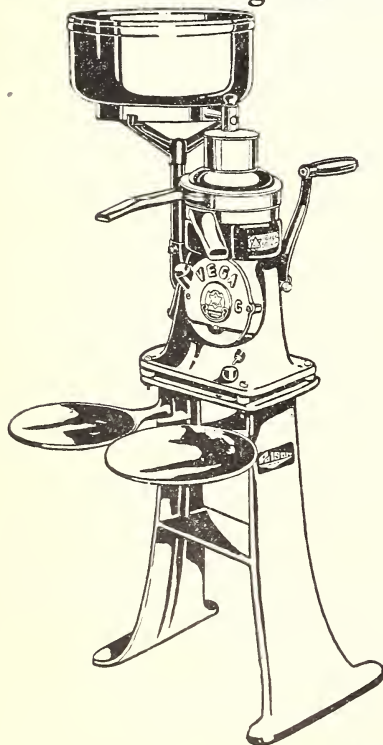
Model L2—600 lbs. per hour capacity, weight 108 lbs. Price ----- 60.00

Model M2—900 lbs. per hour capacity, weight 113 lbs. Price ----- 73.50

Add for Stand:

Stand for VEGA E or F2, weight 46 lbs. ----- \$ 9.50

Stand for VEGA G, L or M, weight 60 lbs. ----- 10.50



PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DeLaval Separators and Milkers

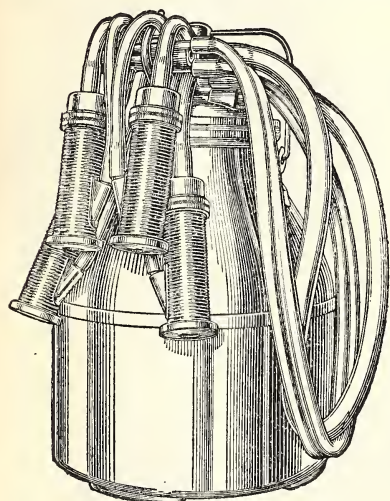
**CLEAN MILK is Just One of a Number of Advantages You Get
With a DE LAVAL MILKER**

It Also Gives You—

{ Better Milking
More Milk
With Less Labor
Without Injury
To Your Cows

There are three distinct considerations in the selection of a milking machine—your cows, yourself and your milk; or, a machine that will milk your cows without injury so that they will produce as much or more milk than they did by hand milking; a machine that will save the most in time and labor; and a machine that will produce clean milk.

In all of these considerations the De Laval is superior to any other method of milking, either hand or machine.



JUNIOR MILKER OUTFIT

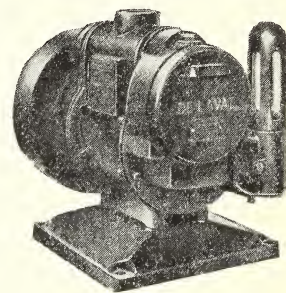
Price, \$185.00

For complete outfit (except piping) consisting of: 1 No. 37 Pulso-Pump, 1 Complete Milker Unit, 1 Junior Sanitary Trap, 1 Vacuum Controller, 6 Pulsation Cocks, 6 Vacuum Cocks, 6 Pipe Clamps, 1 Ring Inserter, 1 Set of Brushes. Engine of Motor not included in price.

This outfit is regularly furnished with one milker unit, but is designed to operate two with an installation not exceeding 60 feet in length of pulsation pipe.

For additional accessories write us.

The capacity of each Milker Unit is from 8 to 10 hour by fast operators. We can supply De Laval Milkers



SENIOR MILKER OUTFIT

Price, \$370.00

This outfit is designed to operate two or three standard De Laval milker units with an installation not exceeding 150 feet in length of pulsation pipe.

For complete outfit (except piping) consisting of:

1 No. 43 Pulso Pump, 2 Complete Milker Units, 1 Senior Sanitary Trap, 1 Vacuum Controller, 1 Pulso-Relay, 11 Vacuum Stall Cocks, 11 Pulsation Cocks, 11 Pipe Clamps, 1 Set Brushes, 1 Ring Inserter. Prices do not include Engine or Motor—Installation extra charge.

cows per hour. This can be increased to 12 and 14 per for any size herd or barn. *

THE NEW DE LAVAL SEPARATOR

While the outward appearance of the new machine is unaltered, the increased diameter of the bowl, its self-centering feature, the new method of distributing the in coming milk, the new discs, the bell speed-indicator, and the new automatically oiled neck bearing mark such an advance over former models that we call the latest model the New De Laval to distinguish it from older machines which did not have these improvements.

If you have not already examined one of the new machines, don't fail to do so at the earliest opportunity.

Size	Capacity	Price
7—	200 lbs pr hr	\$ 65.00
8—	225 lbs pr hr	80.00
10—	350 lbs pr hr	92.50
12—	500 lbs pr hr	102.50
16—	750 lbs pr hr	125.00
17—	1000 lbs pr hr	140.00
22—	1350 lbs pr hr	235.00

STEAM TURBINE

Size	Capacity	Price
19—	750 lbs pr hr	\$210.00
20—	1000 lbs pr hr	225.00
25—	1350 lbs pr hr	310.00

ELECTRIC POWER DRIVE

For All Hand Machines

Alternating Current for No.

5, 7, 8, 10, 12, 15, 17
\$60.00

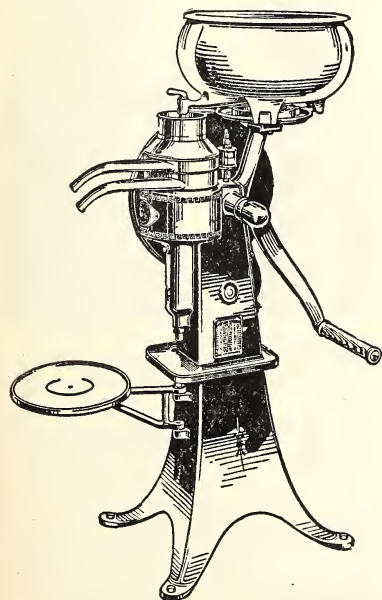
No. 22, \$75.00

Direct Current

Write for Prices

Universal Power Drive for

All Hand Machines
Price, \$17.50



De Laval Separator Oil. Price per gal., \$1.45.

De Laval Pulso Pump Oil. Price per gal., \$1.60; 5 gal., \$7.00.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DAIRY SUPPLIES

THATCHER MILK BOTTLES



Thatcher Milk Bottles are guaranteed to be of correct capacity, uniform in weight; glass evenly distributed with a perfectly smooth finish at the top for caps and absolutely water white in color.

Price per dozen quarts, \$1.00. Per gross, wt., 270 lbs.

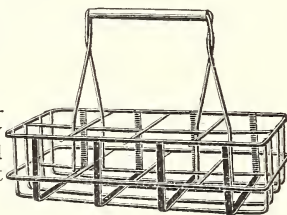
Price per dozen pints, 80c. Per gross, wt., 179 lbs.

Price per dozen ½-pints, 65c. Per gross, wt., 110 lbs.

Gross Prices quoted on application.

GALVANIZED MILK BOTTLE CARRIER

We have a new style milk bottle carrier made of flat galvanized iron that is especially handy for the dairymen. All electric welded and will not break.



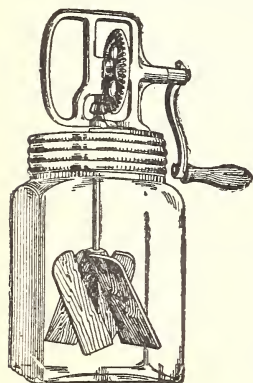
With this carrier you can carry either pints, quarts or half-pints. They come in 4 and 6 and 8 qt.

Price, 4-quart ----- \$1.35

Price, 6-quart ----- 1.65

Price, 8-quart ----- 1.85

NOTE—If you Haven't Tried Wyandotte for Washing Your Dairy Utensils, Try It.



DAZEY GLASS CHURNS

Extra heavy clear glass jar, with a finished smooth top. Steel screw-cap, heavily nickel plated. Dasher of white maple thoroughly seasoned. Dash rod of steel, tinned. Frame one piece. Natural finish wood handle. Gears carefully fitted to run smooth and noiseless. All castings double aluminum coated.

No. 20—Capacity 2 quarts; churning capacity, 1 quart. Height over all, 12 inches; wt. each, 5 lbs. Price \$2.15.

No. 40—Capacity 4 quarts; churning capacity, 2 qts.; height over all, 14 inches; wt. 7¼ lbs. Price \$3.00.

No. 60—Capacity 6 quarts; churning capacity 3 qts.; weight 9½ lbs. Price \$4.00.

RUBBER APRONS

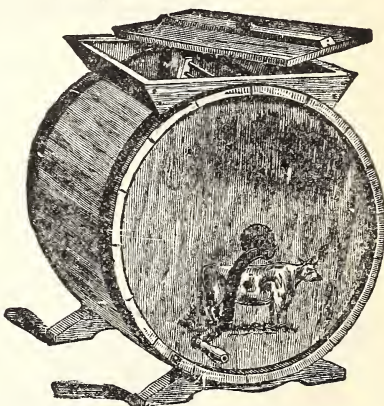
Heavy duty, snag proof rubber Dairymen's Wash Aprons. Price each \$3.75.

CYLINDER CHURNS

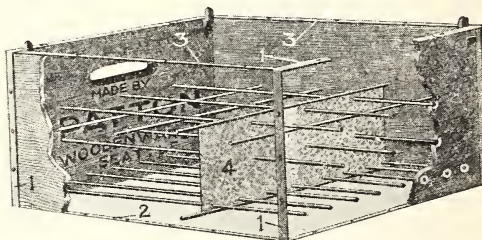
Dovetailed white pine staves, dashers attached to steel shafting. Can be removed for cleaning.

Size 1—Holds 3 gallons; churns 2 gallon. Price \$4.50.

Size 2—Hold 4 gallons; churns 3 gallon. Price \$5.50.



SANITARY BOTTLE DELIVERY CRATES



Strongest and most sanitary crates made. Dovetailed corners, reinforced inside. Will save their cost many times over in convenience and far less breakage of bottles.

No. 16—Quarts; holds 12 bottles; wt., 13 lbs. ----- \$1.60

No. 22—Half-pints; holds 24 bottles; wt., 12 lbs. ----- \$1.65

No. 20—Pints; holds 20 bottles; wt., 12 lbs. ----- 1.60

No. 19—Quarts; holds 12 bottles; wt., 13 lbs. Special high wire ----- 1.70

No. 18—Pint filler case; holds 12 bottles; wt., 15 lbs. - 1.75



One gallon capacity; wt., 2½ lbs. Price each, \$1.70.

Two gallon capacity; wt., 6½ lbs. Price each, \$3.35.

Three gallon capacity; wt., 7½ lbs. Price each, \$3.50.

Dozen Price on Application.

Coast Special

Heavy five gallon capacity; wt., 12 lbs. Price, \$3.85

Heavy ten gallon capacity; wt., 24 lbs Price \$5.25

Light five gallon, weight 12½ lbs. Price \$3.50.

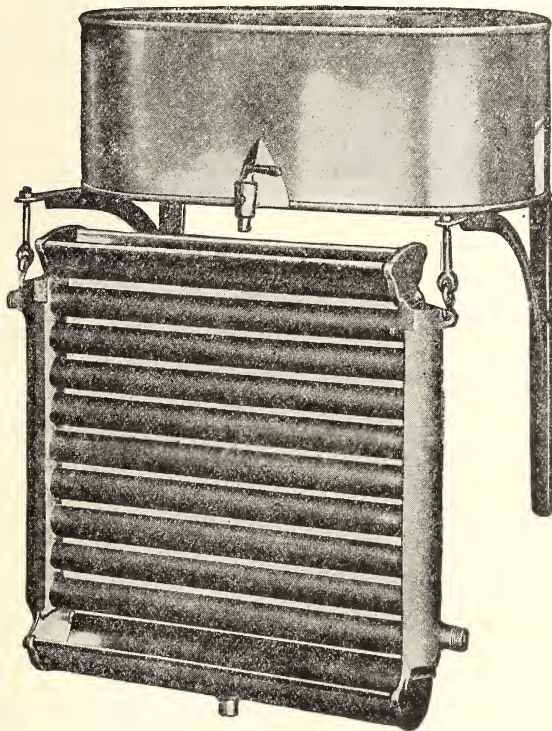
Light ten gallon, weight 13 lbs. Price \$4.45.

Dozen prices on application.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DAIRY SUPPLIES

PEERLESS TUBULAR SANITARY MILK COOLER



The most satisfactory and efficient cooler made. This cooler is made of 1½-inch seamless copper channel tubes tinned inside and outside, flushed into solid cast brass heads. The channel tubes do away with distributing solder strips, making a perfect sanitary cooler. The upper and lower troughs are made of tinned copper and cast end plates. They are removable for cleaning.

OPERATION The cooler is suspended on brackets, which we furnish. The water enters at bottom and flows up through each tube and out of upper outlet. The milk runs down evenly distributed over the outside of tubes into lower trough. Total height of cooler, including troughs, is 24 inches.

15-in. wide, 9 tube high, Cap. per hour, 182 lbs. **\$37.50**
 20-in. wide, 9 tube high, Cap. per hour, 250 lbs. **40.50**
 24-in. wide, 9 tube high, Cap. per hour, 300 lbs. **47.50**
 30-in. wide, 9 tube high, Cap. per hour, 375 lbs. **51.50**
 36-in. wide, 9 tube high, Cap. per hour, 450 lbs. **55.00**

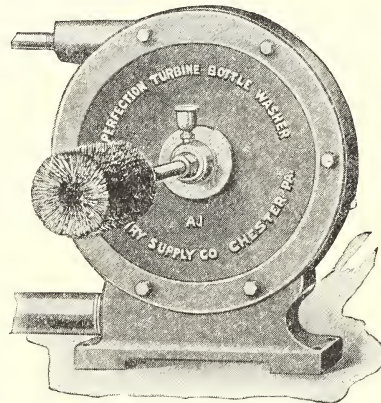
DAIRY THERMOMETERS



No. 2103—Pasteurizing; length, 10 inches, Price 75c.
 Imported Dairy Thermometer. Price 25c.

We carry a Large Stock of Brushes for All Dairy Purposes.

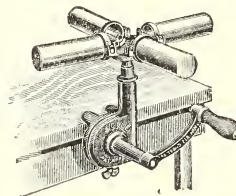
CHESTER PERFECTION STEAM TURBINE WASHER



The Chester Turbine Washer requires less steam for operating than any other on account of the steam entering at the top and following shaft wheel three quarters of the way around. The turbine wheel is heavy and accurately balanced so that it runs smoothly. The bearings are large Single end. Price, **\$29.00.**

BABCOCK MILK TESTERS

Facile, Jr.



The simplest, best made and most satisfactory small hand tester on the market. Adapted for farmers and small dairymen. Working parts entirely enclosed. Bottles are seamless brass. Furnished complete with glassware, acid and directions.

4 bottle; for milk and cream; weight 16 lbs. **\$12.00.**

BABCOCK TEST GLASSWARE



Milk test bottle; height 6-in., graduation 18% in 1.5%. **40c.**

Cream test bottle; height 6 in., graduation 50% into 1%. **45c.**

Pipette, milk and cream, 17.6 and 18 C. C. **35c.**
 Acid measure, 17.5 C. C. **20c.**

We carry complete stock of Perfection Pull Bottle Caps. Milk, Cream, Whipping Cream and Buttermilk.

Price Per lb. **30c**
 Price Per M -----**60c**
 Price Per 5 M ----**\$2.75**

Write for prices in case lots.



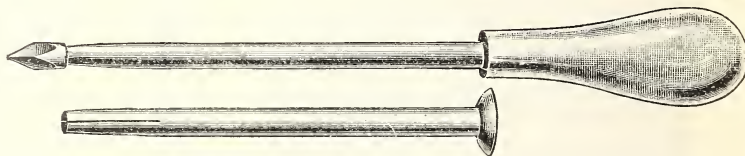
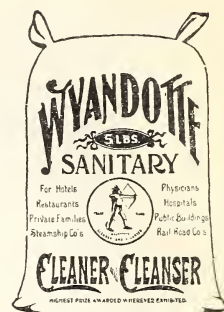
DAIRY SUPPLIES



Wyandotte Sanitary Cleaner and Cleanser is a dry, snow-white powder, with no grease, fat, caustic, lye, acid or preservatives in its composition. Neither does it contain a particle of animal or vegetable matter. It is especially adapted to the cleaning of dairy utensils, tinware, cans, bottles, separators, etc. It can also be used to advantage by the housewife for family washing and general household cleaning. Carried in stock in the following sizes.

	Price
1 Sack, 5 lbs. net -----	\$1.50
3 Sacks, 15 lbs. net -----	1.35
5 Sacks, 25 lbs. net -----	2.25
Kegs, 80 lbs. net -----	6.15
Bbls., 280 lbs. net -----	17.95

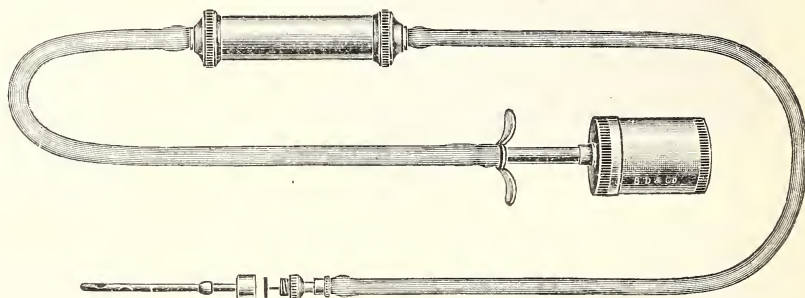
Alkali Special for Power Washers. Per Bbl.	
300 lbs. net weight -----	21.45
Alkali Special, Per keg, 80 lbs. net ----	6.75



CATTLE TROCAR

No. 6526 Cattle Trocar, 4 1/2 inches long with metal handle. Price Each ----- \$2.00

THE YALE MILK FEVER OUTFIT



The Milk Fever apparatus was first worked out by the Government Bureau of Animal Industry and is so effective in promptly restoring the health of valuable cattle that no veterinarian or stockman should be without one, ready for instant use.

The Yale Milk Fever Outfit is equipped with our famous Yale Hand Pump and the advantage is so great that it has almost entirely supplanted the rubber bulb type.

The milking tube has valve which prevents the milk being drawn into the tube and cylinder. It also enables operator to disconnect the outfit and leave the tube in the teat.

No. 7056 Yale Milk Fever Outfit (in paste board box). Price, \$3.25.

Furnished in 2 inch, 3 and 3 1/2 inch lengths. In ordering specify length you desire.

Monarch Self-Retaining Milk Tube, nickel plated. Price 25c.

No. 7030 Champion Adjustable Milking Tube, nickel plated. Price each, 40c.

CHAMPION TEAT PLUGS

The most effective remedy for hard milkers.

No. 7040 Self-Retaining Teat Plug. Price 25c.

No. 7044 Self-Retaining Teat Plug with Loop for tap, 30c.

BUTTER TOOLS

BUTTER MOULDS, CALIFORNIA PATTERN

Maple, paraffin finish. Two parts held together with brass hinges. No. 1—Length, 7 inches; size 1 lb. Price, 55c.

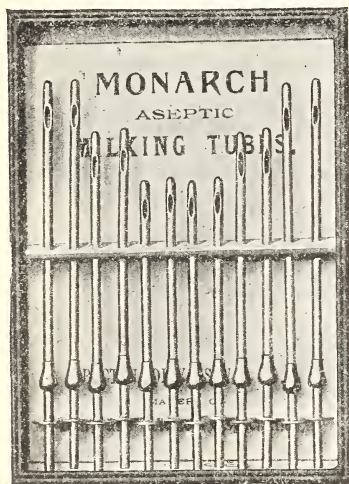
BUTTER LADELS

One piece of hardwood. Smooth surfaces; strong handle; convenient size; wide blade; spoon shape. Price, 30c.

BUTTER SPADES

One piece of hardwood; sharpened end and grooved surface; long smooth handle. Price 20c.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



DAIRY SUPPLIES

MILK BOTTLE BRUSHES

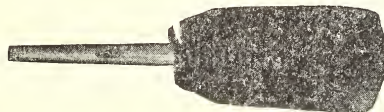


Osborne Bottle Brushes like illustration can be used for bottle washing as well as separator cleaning.

No. 72—Brush Part 2 $\frac{3}{4}$ in. Dia. Price each 50c.

No. 73—Brush Part 3 $\frac{1}{4}$ in. Dia. Price each 60c.

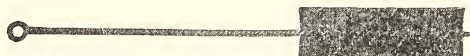
MACHINE BRUSHES



The No. 123 is one of the most popular Brushes on the market for machine use in washing milk bottles. The long brush part, of an extra stiff grade of hair retains its shape without matting.

No. 123—Brush Part 3 in. Dia. Price each 55c.

Test Tube and Separator Brushes



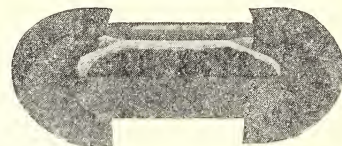
No. 811, Size $\frac{1}{2}$ -in. Price -----15c

No. 812, Size $\frac{3}{4}$ -in. Price -----15c

No. 813, Size 1-in. Price -----20c

No. 816, Size 1 $\frac{1}{2}$ -in. Price -----35c

CAN BRUSHES



This is unquestionably the most serviceable milk can brush on the market. The flaring wings make it possible to get into the corners, insuring an absolutely clean can with the least possible labor.

SOLID BLOCKS, STAPLE SET, VERY FULL.

No. 08—Width of face 5 in., length of face 10 in. Price each 45c.

No. 414—Width of face, 5 $\frac{1}{2}$ in. Length of face 9 $\frac{1}{2}$ in. Large Heavily Filled Brush. Price each, 50c.

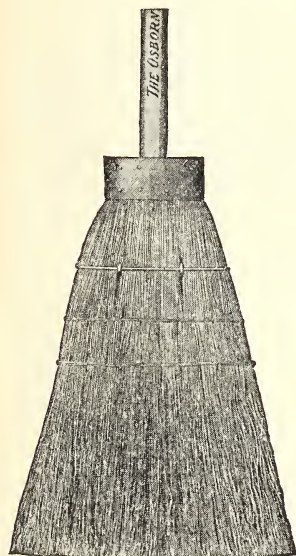
Handled Creamery Brushes



No. 416 Bursh Part—5 in. wide, 4 inches long, Total length 10 inches. Price each, 40c.

No. 417—Brush Part—5 in. wide, 4 in. long. Total length 21 $\frac{1}{2}$ in. Price each, 60c.

Cooler Brush, Price Each -----35c



**Jumbo Fibre
Barn and Warehouse
Broom. Price \$1.35**

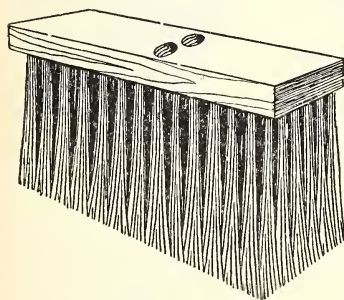
SO-BOSS COW HOBBLE

Anti Kicking. Holds the cow from kicking during milking.

Price Each -----80c

Postage Extra

PUSH BROOMS



14 inch Palm Floor Fibre Broom with handle. Price \$1.15.

16 inch Palm Floor Fibre Broom with handle. Price. \$1.25.

Deduct 10c if wanted without handle.

BELLS, CHAINS AND HOBBLES

Cow Tie Out Chains, No. 00—30 feet -----\$1.00

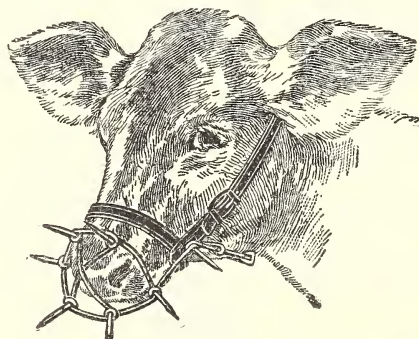
Cow Tie Out Chains, No. 000—30 feet -----\$1.15

No. 15 Leather Cow Halters. Price each -----\$1.25

Cow Bell Straps, 1 $\frac{1}{4}$ -inx3 feet. Each -----65c

Cow Bells, No. 013 Long Distance. Each -----60c

Cow Bells, No. 012 Long Distance. Each -----50c



HOOSIER

Calf Weaner

No. 1—For Calves

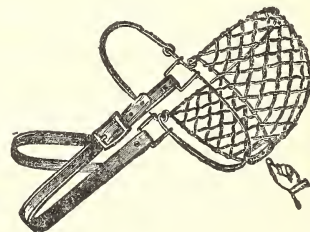
Price Each, 75c.

SHAWS CALF

WEANER

No. 1—For Calves 60c

No. 2—For Yearlings 65c



PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DAIRY SUPPLIES

SANITARY STEEL
CLAD DAIRY PAILS

5A charcoal plate, mirror finish, four rivet ears. Extra heavy retinned bail, soldered inside and outside.

No. P7210—10-qt., 4x ----\$1.40
No. P7212—12-qt., 4x ---- 1.50
No. P7214—14-qt., 4x ---- 1.55
No. P7216—16-qt., 4x ---- 1.60
No. P9420—20-qt., 4x ---- 1.85

ALUMINUM
Galvanized Pails

Best quality 28 gauge heavy cold rolled steel heavily coated with a special coating of spelter and aluminum.

No. G1110, 10 qt. 75c
No. G1112, 12 qt. 80c
No. G1114, 14 qt. 85c
No. G1116, 16 qt. \$1.00

WORLD'S BEST
DAIRY PAILS

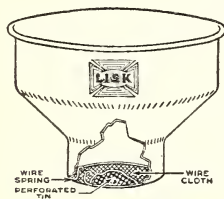
Flaring pattern
Charcoal Plate

No. 25, 10 qt. ---70c
No. 30, 12 qt. ---75c
No. 35, 14 qt. ---80c

CREAM
SETTING PAILS

5A charcoal plate, mirror finish.

No. P17220—20-qt., 2x with guage and brass faucet. \$3.00.
No. 1120—20-qt., 2x without guage and faucet. \$1.50.
No. P1614—14-qt., without guage and faucet. \$1.25.

EXTRA HEAVY
Seamless Milk Strainers

Extra heavy seamless, retinned. Heavy wire around top; sanitary soldered. Equipped with circular piece of wire cloth with soldered edge; a circular piece of perforated tin and a wire spring to hold both in position. Cotton pads for use between wire cloth and perforated tin are furnished at an extra charge.

No. 19612, Price ----\$2.20
No. 19614, Price ---- 2.60

STERILIZED COTTON
PADS

For No. 19612 and No. 19614 Milk Strainer.

Price for 100 Strainer Pads 90c.

Price for One Package of 300 Pads \$2.40.

MILK STIRRERS

No. 452 Plain Solid ----70c
No. 453 Perforated ----70c
No. 455 Milk Sampler --60c

HEAVY SEAMLESS
MILK STRAINER

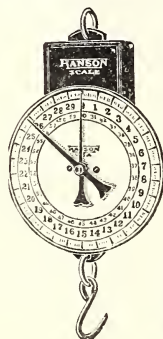
Heavy wire around top, best quality strainer cloth which can be easily replaced. Extra band for holding cloth on foot. Sanitary soldered.

No. 1932, 3 qt. Price -----\$1.10
No. 1934, 6 qt. Price ----- 1.35
No. 1936, 8 qt. Price ----- 1.50

GALVANIZED
STOCK
FEEDING
PAILS

Special extra heavy 24 gauge cold rolled steel, with extra heavy 5/16 in. iron bail and heavy drop forged U. S. A. drop ears.

No. 9420, 20 qts. \$1.60.

MILK SCALES
HANSON DAIRY SCALE

IMPROVED CIRCULAR SPRING BALANCE
To Weigh 60 lb. by 1-10 lb.

This scale is made with a loose pointer which may be set any where on the dial by means of a thumb screw on the center of the pointer. Thus the weight of the pail is taken into consideration and the net weight of the milk is registered on the scale.
No. 160—60-lb Capacity, Price ----- \$5.00

PAILS
STRAINER

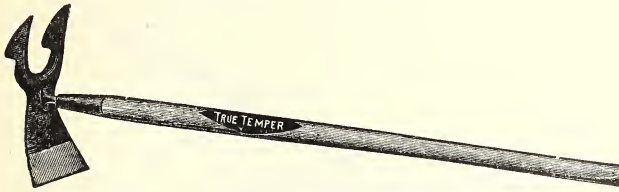
5A charcoal plate, mirror, square strainer on breast.

No. P4212—12-qt., 2x \$1.75.
No. P4214—14-qt., 2x \$1.85.

EXTRA HEAVY
MILK PANS

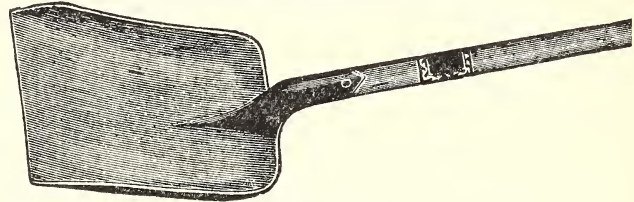
No.	Capacity (quarts)	Price
2906,	4 ¾	60c
2908,	5 ½	65c
2910,	6	70c
2912,	6 ½	80c

RAKES, SHOVELS, HOES, ETC.



No. A Acme Weeding Hoe

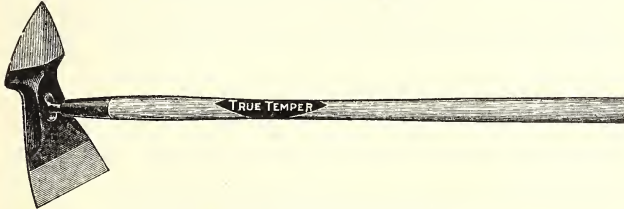
No. A—Acme Weeding Hoe; polished steel blade, riveted to malleable iron shank; width of blade, 4½ inches; 4 1/3 foot handle. **Price, \$1.20.**



No. 3—Barn Scoop

No. 3 Barn Scoop—Long handle; square point; width at mouth, 11½ inches; length of blade, 15½ inches. **Price, \$1.75.**

No. 3 Barn Scoop—D handle; square point; width at mouth, 11½ inches; length of blade, 15½ inches. **\$1.75.**



No. BB6—Beebe Cultivator Hoe

No. BB6—Beebe Cultivator Hoe, with 6-inch polished steel blade riveted to malleable iron shank; handle 4 1/3 feet. **Price \$1.15.**

SHOVELS



Champion, Size 2 Shovel

Myers, Size 2 Shovel—With solid crucible steel polished blade 9½x11¾ inches long handle, round point. **Price, \$2.25.**

Champion, Size 2—Long handle, round point shovel; polished blade, 9½x11¾ inches; solid cast steel; socket strap. **Price, \$1.50.**

Champion, Size 2—D handle; round point shovel; polished blade, 9½x11¾ inches; solid cast steel; socket strap. **Price, \$1.50.**

Champion, Size 2—Square point solid crucible cast steel; polished blade, 9½x12 inches; long handle. **Price \$1.60.**

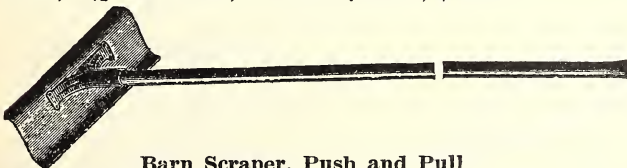
SPADES



Socket Strap Spade

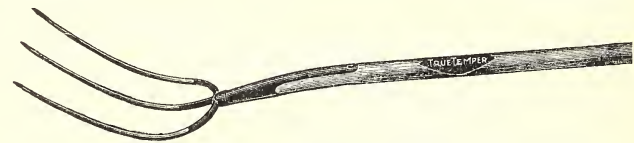
Size 2—Socket handle spade; solid cast steel polished blade. 7¼x12 inches; long handle. **Price \$1.50.**

Size 2—Socket handle spade; solid cast steel polished blade, 7¼x12 inches; D handle. **Price, \$1.50.**



Barn Scraper, Push and Pull

The push and pull scraper is one of the latest tools on the market for cleaning dairy barn. Does it quicker and easier than the barn shovel and does better work. **Price, \$1.35.**



No. 035B—3 Tine Hay Fork

No. 035B—3 Tine Hay Fork; three oval tines; strap ferrules; polished handle; gold bronze finish; handle, 4½ ft. **Price, \$1.55.**

No. 045B—4 Tine Hay Fork; four oval tines; strap ferrules; polished handle; gold bronze finish; handle, 5 ft. **\$1.70.**

Spading Forks

No. OH-4—Spading fork; four heavy angular steel tines; strap ferrules, bent polished handle; gold bronze finish. Handle 4 ft. **\$1.85.**

No. OHD—D Handle spading fork same specifications **\$1.85**



No. 044½—Four Tine Manure Fork

No. 044½—4 Tine Manure Fork; four oval steel tines; strap ferrule; gold bronze handle; 4½ ft. **\$1.90.**

No. 054½—5 Tine Manure Fork; 5 oval steel tines; strap ferrules; bent polished handle; gold bronze finish; handle, 4½ ft. long. **\$2.15.**

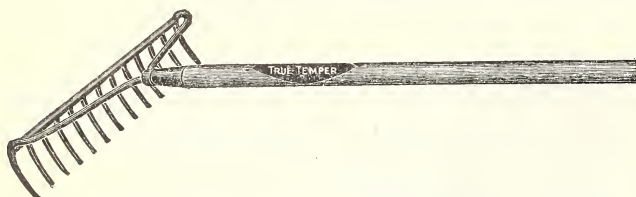
No. 064½—6 Tine Manure Fork; 6 oval steel tines; strap ferrules; bent polished handle; gold bronze finish; handle, 4½ ft. long. **\$2.40.**

No. 40 TURF EDGER



No. 40—Turf edger, polished steel blade; solid shank; 4 foot handle. **Price, \$1.25.**

GARDEN RAKES



Steel curved teeth; solid end bows; the very best garden rake.

No. B12—12 tooth, \$1.30. No. B16—16 tooth, \$1.50.
No. B14—14 tooth, \$1.40.

GARDEN HOES

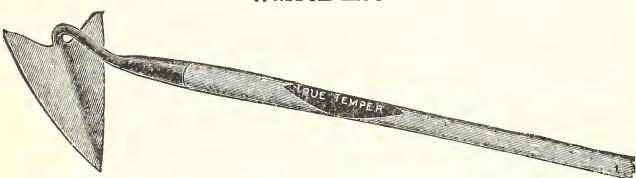


No. 1 Geneva Socket Pattern Garden Hoe

No. 1—Geneva Socket pattern garden hoes, assorted 6½ to 7½ inch blades, XX selected handles; gold bronze finish. Price, \$1.25.

No. 1—Oxford Socket pattern, 6½ to 7½-inch blade X selected handle. Price, \$1.10.

Warren Hoe



Warren Hoes—Polished steel blades, socket pattern, 4 1/3 foot handle.

No. W7—7-inch blade, \$1.40.

No. W7½—7½-inch blade, \$1.45.

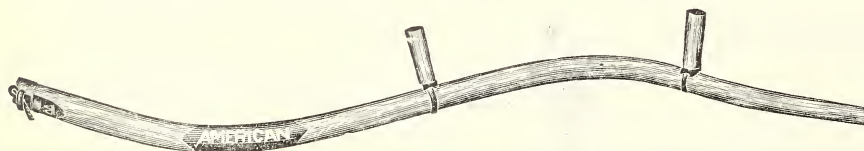
LADIES' GARDEN SETS

Suitable for use in small vegetable gardens; designed for ladies and boys use. Handles polished and waxed, high grade forged steel heads, solid shanks, gold bronze finish. Each set consists of three tools as follows: 6x4½ in. shovel with 36 in malleable D-handle; 6 tooth rake with 4 ft. handle; 4x3½ in hoe with 4 ft. handle. Weight 8½ lbs. Price per set \$2.20.

OLE OLSEN LAWN RAKE

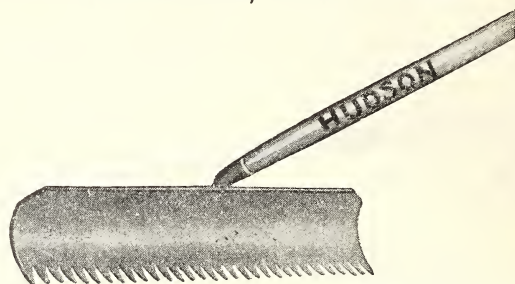
Made with curved head which allows only four or five teeth to come in contact with surface of lawn; also tends to throw the material towards the center of rake. Teeth are of selected hickory, securely clinched to head. 5½ ft. ash handle. Price 90c.

SCYTHE SNATH



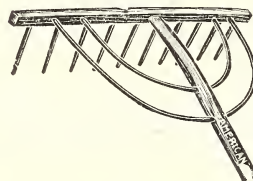
American Scythe Snath, Select Bent Ash Body, Malleable Iron Fitting, Grass Snath Price, \$1.75

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ALL-PURPOSE RAKE
For Dandelion, Garden or Lawn

The All-Purpose Rake is unequalled for removing yellow dandelions. When it is pulled across the lawn, the stems, leaves and blossoms are wedged between its teeth and easily pulled out. It is also a first class rake for general work. It will pick up the acorns, pebbles, small twigs, etc., which an ordinary rake will not touch, and will clean the lawn of cut grass and dead leaves in better shape than is possible by any other means. It is self cleaning. A single backward stroke cleans the rake. Price \$1.15.

WOOD HAY RAKE



No. 02. Wood Hay Rake, 10 teeth; length head 27 inches; length handle 6 feet. Price, 60c.

POTATO HOOKS

California pattern, forged crucible steel, round or oval tines; plain ferrule, bent head, polished finish, selected hardwood handle. Price \$1.70.

No. 5BOL—4 tines, forged crucible steel, broad oval tines, pointed end; plain ferrule, selected hardwood handle. Price \$1.15.

No. 2, PLANET JR. LAWN EDGER



A first Quality improved edger, strong and durable. It's a pleasure to use a good tool of this make.

No. 2 Planet Jr. Lawn Edger, \$1.75.

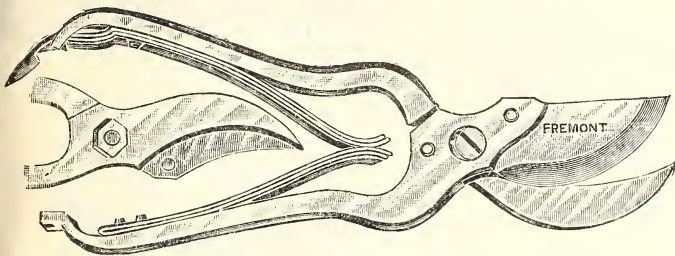
GRASS SCYTHES
Earle True Taper. Length 28-34 in. Price \$2.40.

GENUINE SWEDISH
Length 28 in. Price \$1.70.
Length 30 in. Price \$1.80.

BUSH SCYTHE
Length 18-22 in. Price \$2.50.

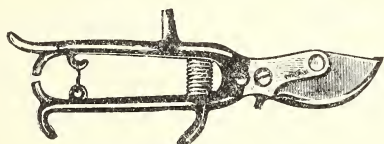
PRUNING SHEARS

PRUNING SHEARS



No. 105—8½ in. Oil tempered forged tool steel blade riveted to frame. Double brass spring; Bolt with ratchet nut; weight 1 lb., Price \$3.00

No. 533 BOKER PRUNING SHEAR



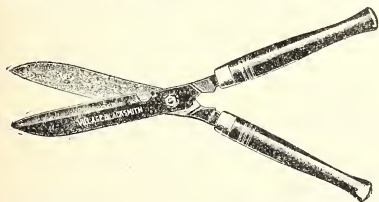
9-in. Japanned malleable iron frame, hand brace and catch; coil spring, polished steel, screwed on; wt. 1 lb. Price 85c.

PRUNING SAWS



Straight Duplex—16-in. blade. Price -----85c
Crescent—16 in. blade. Price -----\$1.25
No. 18 Crescent—16 in. blade Folding Pruner. \$1.50

TRENTON HEDGE SHEARS



No. 100L—6 in. blade -----\$1.50
No. 101—8 in. blade -----\$2.60
No. 101—9 in. blade -----\$2.75

BORDER SHEARS

No. 104—9 in. blade -----\$4.25
No. 106—9 in. blade -----4.25

CRONK BERRY HOOK



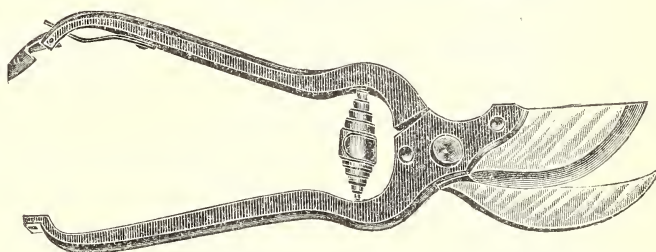
Handle 36 in. long. Price -----80c

WATERS PATTERN LONG HANDLE TREE PRUNER



6 foot Waters Long Handle. Price -----\$1.85
8 foot Waters Long Handle. Price -----2.00
10 foot Waters Long Handle. Price -----2.25

No. 100 BOKER PRUNING SHEAR



No. 100—Black lacquered; forged steel frame; crucible steel polished blade riveted on; end catch and hoop on handle.

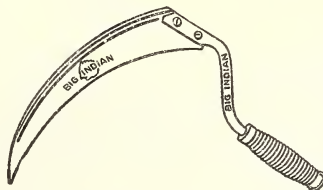
No. 100—7in. Weight ¾ lb. Price -----85c
No. 100—9 in. Weight 1 lb., Price -----\$1.00

BRANCH SHEARS

All about 3-foot handles.

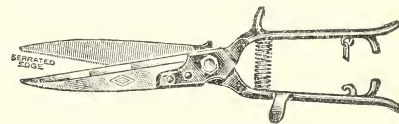
Trenton No. 130—A very good shear. Price \$2.75.
No. 09½ Standard pattern for light work. Price \$1.60
No. 9215 Pruning Knife. Price each -----\$1.00
No. 6427 Budding Knife. Price each -----\$1.70

GRASS HOOKS



Big Indian. Price -----80c

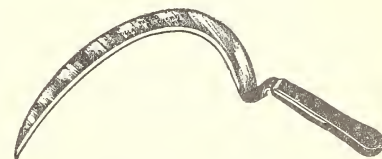
GRASS SHEARS



Keen Klip Grass Shears. Price \$1.00
Village Blacksmith Grass Shears
No. V52. Price -----85c



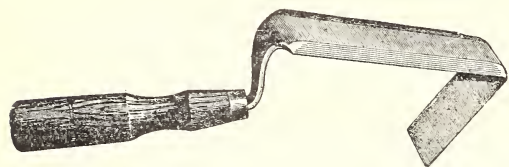
Village Blacksmith No. 0 -----50c



Village Blacksmith No. 3 -----75c
No. 7513 German Grass Hooks 40c

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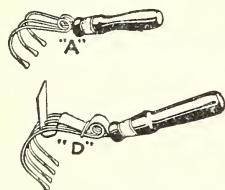
GARDEN AND LAWN TOOLS



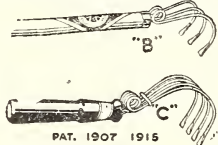
Hazeltine Weeder—Slight oval spring steel blade. Polished lower side, chisel pointed for digging, hardwood handle, 4½ in. long. Price, 40c.



Simplex Simple Durable
Rapid Efficient Price, \$1.15
MAGIC WEEDER HOES

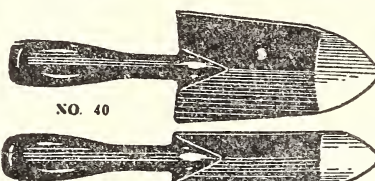


Style A
Price each 15c
Style B
Price each 25c
Style D
Price each 50c

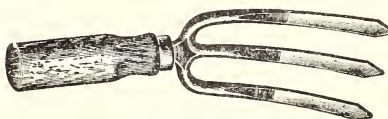


Style C
Price each 35c
Style G
Has 4 prongs
width 5 in.
length, 57 in.
Price each 85c

GARDEN TROWELS



No. 40
Solid blade, socket and handle of one piece forging. A practical indestructible trowel.
No. 40. Price ----- 25c.
No. 41 Transplanting. Price 25c.



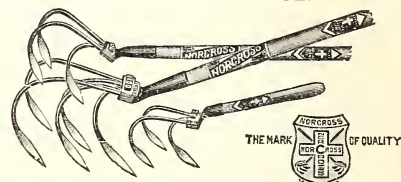
Spading Fork
No. F40—Price ----- 45c
No. F30 Price ----- 65c

EXCELSIOR



Excelsior—Weight ½-lb. Price, 20c.

NORCROSS ADJUSTABLE CULTIVATOR HOE



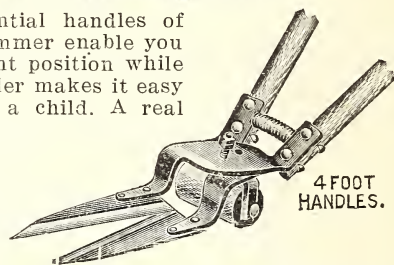
Five prong for regular garden work, 4½ ft. handle; weight 4 lbs. Price \$1.25.
3 prong, 4 ft. handle. Price 90c.
3 prong "Midget," 9-inch handle, for flowers or close hand work; weight 1 lb. Price, 55c.

THE N. W. LAWN TRIMMER

The long, substantial handles of the N. W. Lawn Trimmer enable you to walk in an upright position while you clip, and the roller makes it easy to operate even by a child. A real labor saving tool.

Frame and shears are entirely of steel. Shears are self-sharpening and need not attention. Handles are of close grained hickory, smoothly finished, sturdy construction, assuring long wear.

N. W. Lawn Trimmer. Price each \$2.50.



COLDWELL LAWN MOWERS

SUNSET (Ball Bearing)

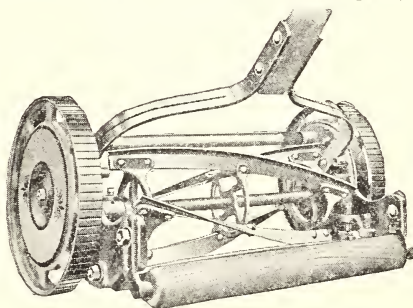
Blades: Four Crucible Steel.
Gears: Pinion and sliding pawl drive.

Bearings: Balls, finest drop forged steel, case hardened. Cones made from steel shafting, turned and ground for true finish.

Wheels: 8 in. solid style.

Bottom Knife: Flat crucible steel. Blade self-sharpening.

Sunset Mower, 14 inch cut. \$12.25.
Sunset Mower, 16 inch cut. 12.75.



LENOX (Ball Bearing)

Blades: Four crucible steel.

Gears: Internal enclosed pinion and sliding pawl. Direct drive from both sides.

Bearings: Same as in Sunset.

Wheels: 9 in. open style.

Bottom Knife: Flat crucible steel, self-sharpening.

Lenox, 14 inch cut. Price ----- \$13.50

Lenox, 16 inch cut. Price ----- 14.00

Lenox, 18 inch cut. Price ----- 14.75

GOLDEN GLOW Plain Bearing

A very light weight, easy running mower. Excellent value at price asked. Blades: Four crucible steel.

Gears: Pinion and sliding pawl drive.

Bearing: Parallel. Adjustable Split Bronze Bushings.

Wheels: 8 in. solid style.

Bottom Knife: Flat Crucible Steel Blade, self-sharpening.

Golden Glow, 14 inch cut. \$ 9.85.

Golden Glow, 16 inch cut. 10.35.

POWER LAWN MOWERS

Write for special booklet on the Model "L" Power Lawn Mower.

GRASS CATCHERS

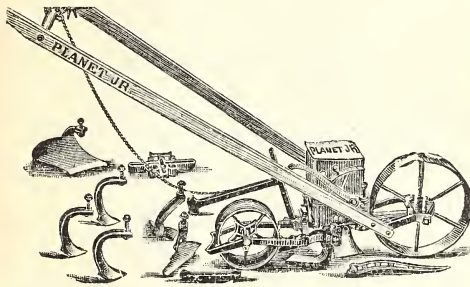
No. 151—Price ----- \$1.35

No. 161—Price ----- 1.50

No. 301—Price ----- 1.55

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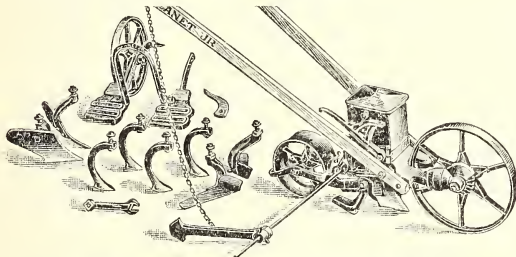
PLANET JR. TOOLS



No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow—Sows all garden seeds in drills or in hills, plows, opens furrows and covers them,

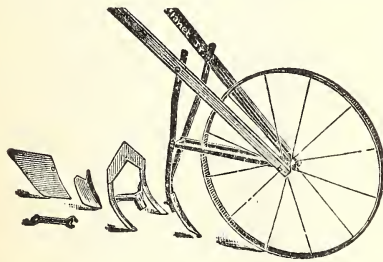
hoes and cultivates quickly and easily. Weight 50 lbs. Holds 2 quarts. Price **\$18.00**.

No. 4D—Seeder only. Price **\$14.25**.



No. 25 Planet Jr. Hill and Drill Seeder, double and single Wheel Hoe—A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder and combined double and single wheel hoe. Weight 60 lbs. Price **\$21.50**.

No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR



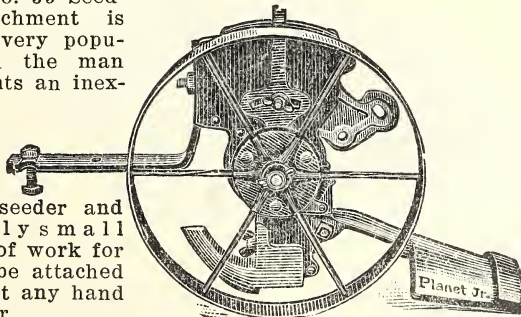
A light, strong and serviceable Garden Plow, Cultivator, Hoe and Rake. Made of steel throughout. Wheel is 24 inches in diameter. Equipment includes plow, sweep, reversible shovel, rake and wrench. Weight 17 lb. Price **\$4.50**.

No. 35 PLANET JR. SEEDER ATTACHMENT

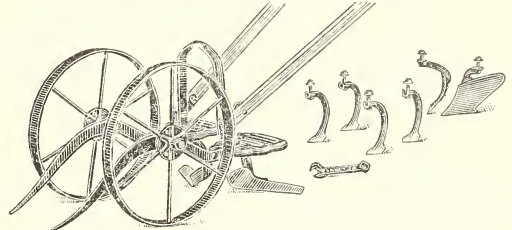
The No. 35 Seeder Attachment is proving very popular with the man who wants an inex-

pensive seeder and has only small amount of work for it. Can be attached to almost any hand cultivator.

Price, **\$6.50**.

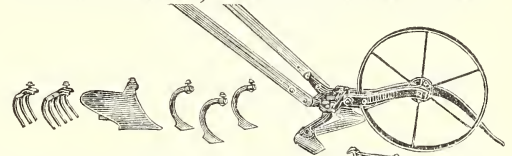


NO. 12 PLANET JR. DOUBLE WHEEL HOE, CULTIVATOR AND PLOW



A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. Wt. 33 lbs. Price **\$10.75**.

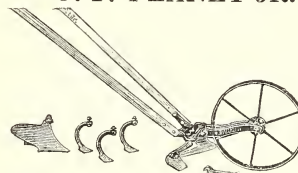
NO. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW



Packed weight 26 lbs. Steel frame. 15-inch steel wheel. Equipment: One pair of 6-inch hoes; three cultivator teeth; one large garden plow.

All oil tempered. One 7-inch rake, one 4-inch rake, one leaf guard. Price **\$9.00**.

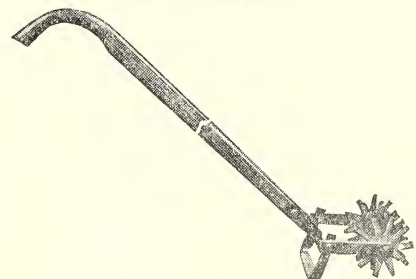
NO. 17 PLANET JR. SINGLE WHEEL HOE



You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work. Weight 24 lbs. Price **\$7.75**.

No. 17 1/2 PLANET JR. is the No. 17 Cultivator less the plow. Weight, 22 lbs. Price **\$6.75**.

PLANET JR. STAR PULVERIZER, LEVELER AND WEEDER



This tool, as its name implies, can be used both for pulverizing the seed bed in preparation for planting; and also for keeping down weeds after crops are up. The revolving star-shaped discs have a large cutting surface; and these, in conjunction with the scuffle hoe blade, cut and pulverize the soil BELOW the surface, as no amount of raking could possibly do. Weight 6 lbs. Price **\$3.25**.

EXTRAS FOR PLANET JR. HAND MACHINES

To get the most out of your Planet Jr. hand tools, keep on hand some of these "extra" attachments for special kinds of work. Each one you add gives practically an additional machine.



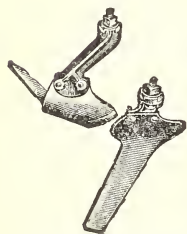
Rakes
The Rakes, of varying widths, are used in many different ways. When the plants first break through, cultivate the surface lightly, using the 3-tooth or 5-tooth, or both, as width of row—6-15 inches—may require. The 3-tooth Rakes, Price Per Pair---\$1.60
5-tooth Rakes, Price Per Pair--- 2.10
7-tooth Rakes, Price Per Pair--- 2.90



Disc Hoes
The Discs are splendid for shaving the weeds away from small plants or slightly working the soil up to the larger ones.
Price Per Pair ----- \$4.00



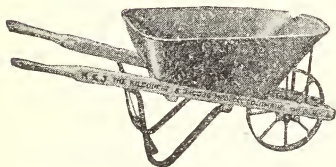
Cultivator Teeth
The Cultivator Teeth—with their narrow necks and wide heads for cutting weeds—are splendid for deep, rapid tillage, and are adjustable in pitch. A single tooth is valuable for marking out rows for large seeds, setting plants, etc.
Price Each ----- 50c



Hoes
S100 & S101 Hoes
4 1/2 inch. Price per pair ----- \$1.50
6 inch. Price per pair ----- \$1.60
Plow for single wheel hoe ----- \$1.65
Plows for double wheel hoe. Price per pair ----- \$1.75



K. & J. WHEELBARROWS The K. & J. for Dairy Barns



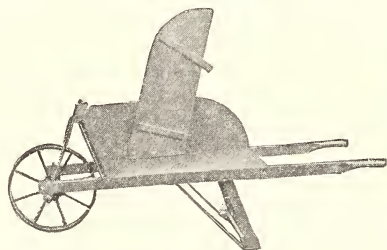
This wheelbarrow is the favorite with the Dairyman. Its capacity is approximately 4 cubic feet of dirt and due to its extreme depth both front and rear, will hold large quantity of liquid manure

without spilling. Depth at back is 8 1/4 inches; at front 13 inches. Width 24 1/2 inches. Length at top is 37 3/4 inches. Steel wheel 16 1/2 inches diameter, 1/2 inch round spokes.

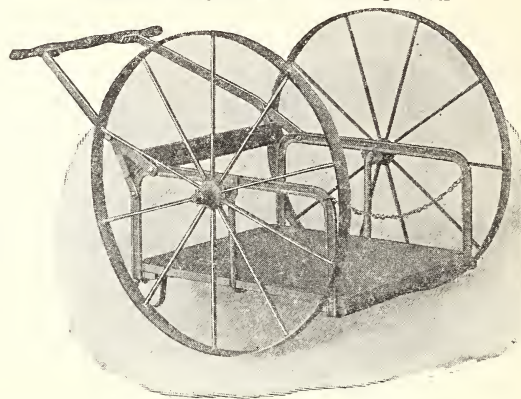
The K. & J Concrete, weight 74 lbs. Price \$9.50.

No. 20 VICTOR GARDEN BARROW

No. 20 is a high grade well finished garden barrow. The wheels set well back under bed by means of a steel axle clip. Lengthwise floor boards, wide bearing leg bottom. Has wheel and corrugated steel leg brakes. Capacity, approximately 4 cubic feet. Weight 55 lbs. Price \$9.00.



PLATFORM HAND CART



Platform Hand Cart, with 2-inch tires, wt., 95 lbs.
Price, \$13.75.

EXTRA WHEELS FOR BARROWS

No. 0 Wheel, 15 1/2 inch Diameter, 1 3/8 in. tread, 6 in. Width of Hub, for 1/2 in. axle. Price \$1.35 each.
No. 1 Wheel, 16 inch Diameter, 1 3/8 inch Tread, 6 inch width of Hub, for 5/8 inch axle. Price \$1.95 ea.

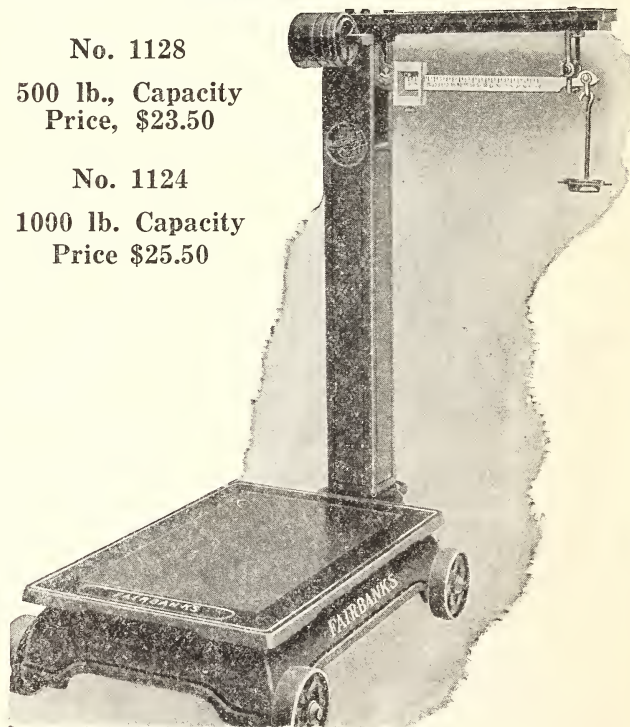
FAIRBANKS SCALES

No. 1128

500 lb., Capacity
Price, \$23.50

No. 1124

1000 lb. Capacity
Price \$25.50



This type of Portable Scale is one of the most efficient for general use and is furnished with wheels. It is equipped with arrow-tip single beam having a sliding poise with set screw, all of brass. Steel to steel bearings.

YOUR GRANDFATHER USED A FAIRBANKS SCALE TO PROTECT HIS BUYING AND SELLING.

Write for prices on larger scales.

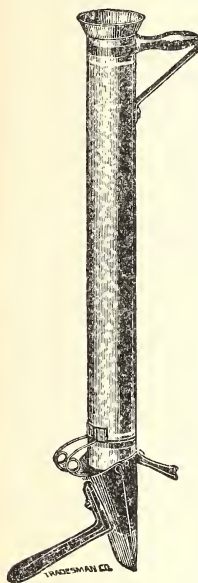
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HAND POTATO AND CORN PLANTERS

**THE EUREKA
POTATO PLANTER**

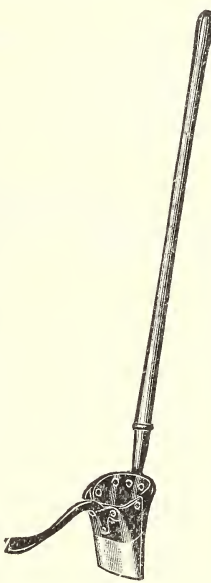
A Tube Planter with self-locking jaws and a broad adjustable depth gauge. The object of the tube is to obviate the necessity of raising the planter for the purpose of depositing the potato in the beak, which makes it an easy and good way of planting potatoes. The operation of this planter is very simple and it cannot get out of order; if you try one you will like it.

Eureka Potato Planter, net weight 3½ lbs. \$2.00.

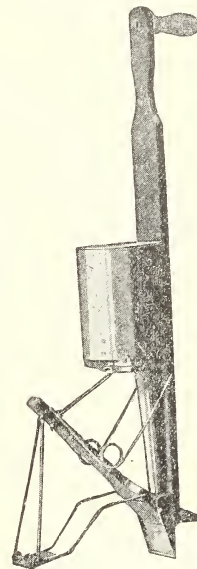
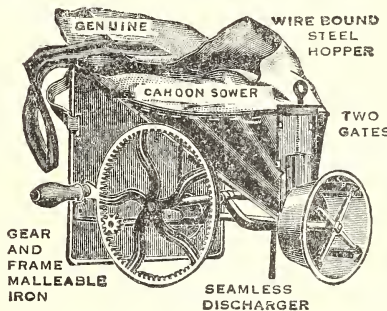
**THE PINGREE
POTATO PLANTER**

Simple, strong, durable, easy to operate, has self-locking jaws and adjustable depth gauge. At one operation the holes are made, seed dropped and covered. Plants uniformly any depth desired. It will pay you to try one of these ingenious labor savers.

Pingree Patent Potato Planter, net weight 3 lbs. \$1.35.

**THE ROTARY
CORN PLANTER**

A one-hand planter, extremely accurate of drop, due to the novel design of the seed plates and steel spring cut-off. Simple, strong and durable. No tools required to make adjustments. Rotary Corn Planter, wt., 6 lbs. Price, \$2.75.

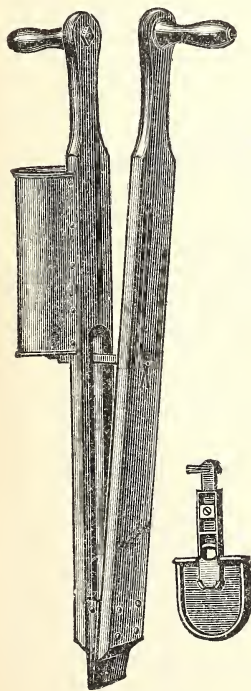
**CAHOON BROADCAST SEEDER**

CAHOON — The standard broadcast seed sower of the world, made of steel, iron and brass and with ordinary care will last a lifetime. This is the most popular and best built seed sower, and has a force feed and does excellent work. Instructions with each machine. Weight 9 lbs.

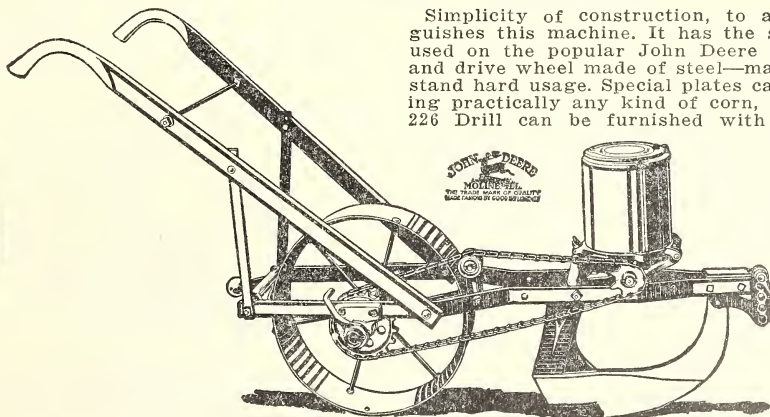
Price, \$5.50.

**THE ACME
CORN PLANTER**

A two-handled planter, light, strong and durable. Especially adapted for planting in heavy, cloddy or stony soils. Will drop seed ranging from popcorn to large kidney beans. Weight 5 lbs. \$1.35.

**JOHN DEERE No. 226 ONE-HORSE CORN DRILL**

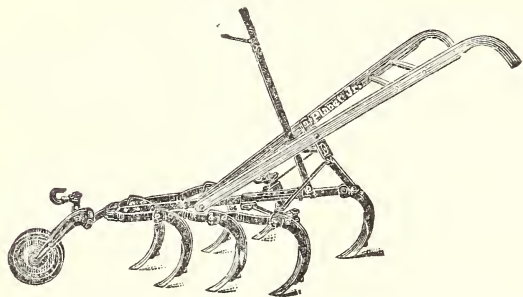
Simplicity of construction, to a marked degree distinguishes this machine. It has the same accurate drop as is used on the popular John Deere two-row planters. Frame and drive wheel made of steel—machine is durable and will stand hard usage. Special plates can be furnished for planting practically any kind of corn, peas, beans, etc. The No. 226 Drill can be furnished with either fertilizer or pea attachments. Pea attachment will plant peas in the same hill with the corn or alternately with the corn.



John Deere No. 226 One-Horse Corn Drill, Weight, 111 lbs., as illustrated. Price \$25.00
Add for Marker for above if wanted. Price, \$2.00.

HORSE CULTIVATORS

No. 83 PLANET JR. SEVEN-TOOTH CULTIVATOR

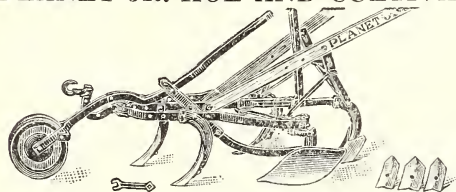


The No. 83 Planet Jr. Seven-Tooth Plain Cultivator, in the teeth are $2\frac{1}{4}$ inches wide, and their work is finer and more thorough than that of the five-tooth cultivator. The machine is a favorite where fine cultivation is wanted. It finishes all rows up to 42 inches apart.

Weight, 69 lbs. Price, \$15.50.

No. 8

PLANET JR. HOE AND CULTIVATOR



Packed weight, 83 lbs.

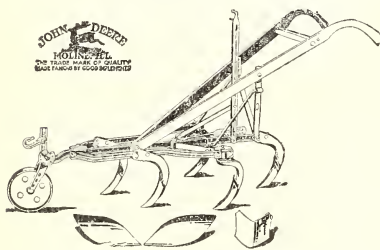
As used for plowing toward the row and for hilling.

Equipment: Four 3x8-in. cultivator steels; one 4x8-in. cultivator steel; two 6-in. hillers; one 7-in. shovel; lever wheel (steel); lever expander; depth regulator.

Planet Jr. No. 8 Horse Hoe and Cultivator. Price \$17.50.

Planet Jr. No. 9—Same equipment as No. 8 with plain wheel. Weight 64 lbs. Price \$15.50.

JOHN DEERE CULTIVATOR



The frames are entirely of steel and malleable iron. The expansion device is a combination of two arms which expand or contract the frame by action of the lever, at the same time bracing the frame and making the tool very rigid, expansion lever

is of good length and easy to operate.

Wrought steel braces extend from the handles to the expanding bars, being so attached to the latter that their full service is secured, regardless of the position of the expanding bars. The shovels on the five and seven-tooth are adjustable and the horse-hoe blades reversible, which admits of a variety of work.

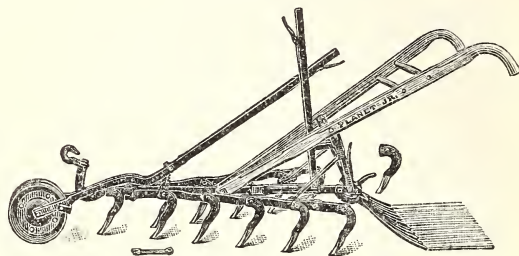
No. 306—Five Tooth Cultivator with lever and gauge wheel. Weight 61 lbs. Price, \$10.75.

No. 308—Five Tooth Cultivator with lever, gauge wheel and horse hoe attachment. Wt., 67 lbs. \$13.00.

No. 314—Seven Tooth Cultivator with lever and gauge wheel. Weight, 66 lbs. Price, \$12.50.

No. 316—Seven Tooth Cultivator with lever, gauge wheel and horse hoe attachments. Weight 81 lbs. \$14.50.

12-TOOTH HARROW WITH WHEEL

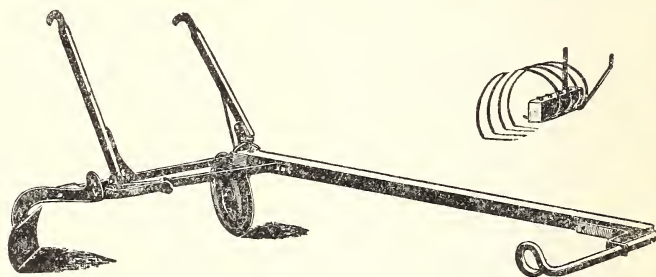


The combination of teeth and pulverizer leaves the ground in the finest condition. The lever wheel enables the operator to set the teeth exactly to any depth desired, making delicate work not only possible, but very easy. It is invaluable in narrow rows and for fine work in market gardens, and close work on the farm. Used extensively in strawberry culture.

Planet Jr. 12-Tooth Harrow, complete, weight, 75 lbs. Price, \$18.00.

Planet Jr. 12-Tooth Harrow, without Pulverizer, but with plain wheel. Price, \$13.75.

ONE HORSE BERRY HOE

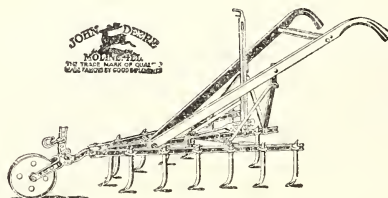


The Syracuse Berry Hoe is a wonderful labor-saver in the culture of berries and grapes. The Hoe is easily guided in and out around the posts and vines by the disc castor wheel, to which the handle is attached.

Weight 125 lbs. Price, \$23.00.

Cultivator and spring tooth attachments. Price \$7.00.

FOURTEEN TOOTH CULTIVATOR-HARROW



The John Deere 14-tooth steel Combination Cultivator and Harrow is adapted for close work among very small plants. It stirs the soil thoroughly, but does

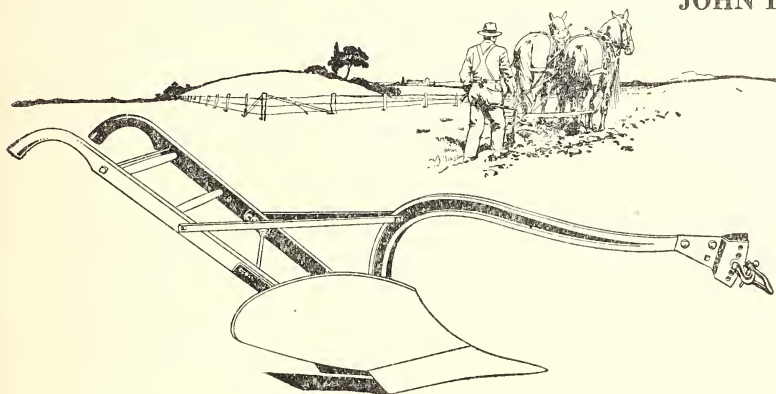
not throw any on the plants.

No. 320 John Deere 14-Tooth Cultivator with Gauge Wheel; weight 67 lbs. \$10.75.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

John Deere Plows

JOHN DEERE NEW TURF AND STUBBLE PLOW—STEEL BEAM



Especially adapted for farmers who rotate their crops, or practice diversified farming and have tame sod as well as stubble or old ground to plow.

The moldboards have a somewhat longer, slower turn than those of the stubble series. They have excellent pulverizing qualities in stubble or old ground. In sod, they turn the furrow slices and lap them sufficiently to bury the green vegetation in loose soil, which prevents further growth and hastens decay.

The bottom splits the soil as a wedge splits a log. John Deere pulls light and does thorough work.

JOHN DEERE GENERAL PURPOSE PLOW High Landside

M. P. 12—Cuts 12 in. Weight 115 lbs. Price ----\$26.50
M. P. 14—Cuts 14 in. Weight 121 lbs. Price ---- 30.00

G. P. 12—Cuts 12 in. Weight 99 lbs. Price ----\$25.75

G. P. 6N—Cuts 14 in. Weight 111 lbs. Price ---- 29.50

Write for complete descriptive catalog on John Deere walling plows.

JOHN DEERE BANTAM STEEL PLOW

This is a light and graceful one-horse plow for general cultivating and garden work. It is very strong and durable. Has hardened soft center moldboard and a steel share. Positively the best turning moldboard we have ever seen on a small plow.

8-inch Steel Beam Bantam Plow, cuts 8 inches; weight, 65 lbs. Price \$15.00.

10-inch Steel Beam Steel Bantam Plow, cuts 10 inches; weight, 77 lbs. Price \$19.00.

Above With Extra Share

SYRACUSE CHILLED PLOWS—STEEL BEAM WITH EXTRA SHARE as priced.

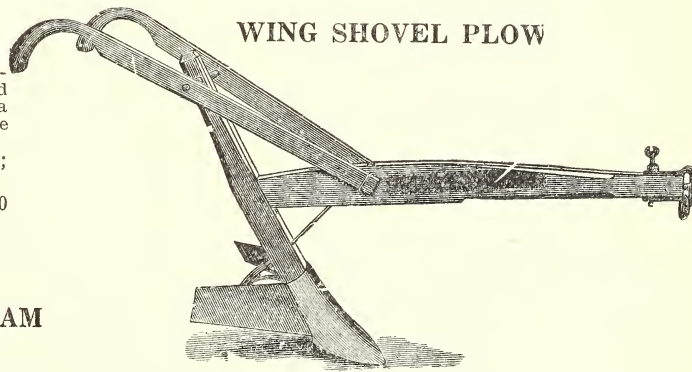
1476—Cuts 8 inches; weight 80 lbs. Price ---\$13.50

1474—Cuts 10 inches; weight 95 lbs. Price --- 18.75

1473—Cuts 12 inches; weight 119 lbs. Price -- 21.50

1471—Cuts 14 inches; weight 137 lbs. Price -- 24.50

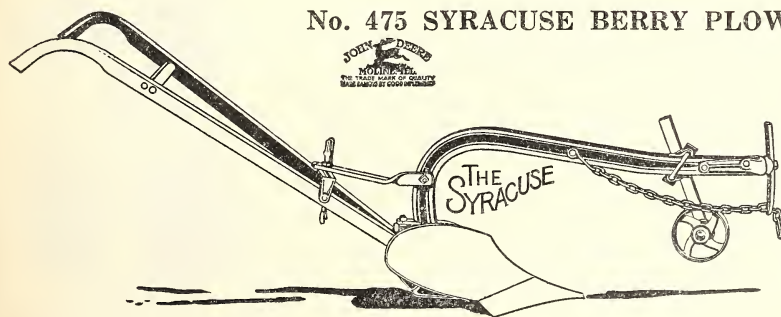
WING SHOVEL PLOW



Wood Beam, Wing Shovel Plow; weight, 35 lbs. Price, \$7.00.

Steel Beam, Wing Shovel Plow; weight, 40 lbs. Price, \$7.25.

No. 475 SYRACUSE BERRY PLOW



For work in small orchards or berry fields this plow is unsurpassed. The handles are adjustable and swivel in either direction, avoiding contact with vines or trees. The dial clevis and chain works perfectly in giving the plow sufficient land. Chilled moldboard, landside and share. Weight 97 lbs. Price \$18.25.

NOTE—Price does not include gauge wheel as shown in illustration.

No. 1—SYRACUSE
CONTRACTOR'S PLOW
weight, 205 lbs. Price, \$38.25.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Farm Implements

WE CARRY A COMPLETE LINE OF FARM IMPLEMENTS, but due to lack of space we are unable to list them all in this catalog.

WE WILL GLADLY SEND YOU FREE BOOKLETS COMPLETELY DESCRIBING ANY OF THE FOLLOWING IMPLEMENTS.

- | | |
|--------------------------------------|-------------------------------|
| John Deere Tractor Plows. | Land Rollers and Pulverizers. |
| John Deere Disc Harrows. | John Deere Manure Spreaders. |
| Syracuse Spike Tooth Harrows. | John Deere Tractors. |
| Syracuse Spring Tooth Harrows. | John Deere Gasoline Engines. |
| John Deere Mowers. | John Deere Wagons. |
| John Deere Self Dump Rakes. | John Deere Concrete Mixers. |
| John Deere Dain Side Delivery Rakes. | Hay Track. |
| John Deere Hay Loaders. | Hay Carriers. |
| John Deere Grain Binders. | Hay Forks. |
| Plow Repairs. | Fairbanks Morse Engines. |
| Singletrees and Doubletrees. | Hand Pumps. |
| McCormick Sickle Grinders. | Pump Jacks. |
| Papec Ensilage Cutters. | Water Systems. |
| Feed Cutters. | Barn Equipment: |
| Hoover Potato Planters. | Water Bowls. |
| Hoover Potato Diggers. | Stanchions. |
| Van Brunt Grain Drills. | Litter Carriers. |

NEW FAIRBANKS-MORSE HOME ELECTRIC WATER SYSTEM

BRINGS WATER UNDER PRESSURE AT STILL LOWER COST



210 gal. per hour
\$74.00 F.O.B. Tacoma

NO OTHER WATER SYSTEM OFFERS ALL THESE FEATURES

- Completely enclosed. All parts fully protected.
- Compact—19 inches in diameter, 21 inches high.
- Big Capacity—210 and 420 gallons per hour.
- Entirely Automatic—Starts itself—stops itself.
- Easy to Install—Only two pipe connections.
- Completely equipped, including electric motor, automatic switch, pump and tank.
- Quickly accessible. Simply lift hood.
- Smooth Running, self oiling, supplies steady, full stream without pulsation.
- Genuine Fairbank-Morse unit throughout.

FULLY GUARANTEED



420 gal. per hour
\$105.05 F.O.B. Tacoma

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Rasmussen Barn and Roof Paint

A fresh coat each year - easy to do - inexpensive



One coat of Rasmussen Barn and Roof Paint every other spring goes on smoothly, easily—anybody can do it. Quicker, simpler, less expensive than a big painting job every three or four years. And ten times the protection! Because the weather never gets a "look in" when the paint film is kept intact.

So brighten up your farm buildings, fences, etc. Select some distinctive color scheme strictly yours. Stick to it. Make it your trademark, so to speak.

Then keep all painted surfaces bright and neat—strongly protected! You'll find more rewards than we've suggested here. Try it—Start the painting habit.



Make your barn and outbuildings stand out from neighbor barns and shout "Prosperity." Good advertising!

Give them a uniform color scheme—gray or green walls, red roofs, bright-colored trim.

Good advertising and more. It's the most sensible economy you can practice. Protect your buildings from the deteriorating weather elements with a strong elastic coat of paint.

Red, Brown and Graphite—Per gal., \$2.20; 5 gals. per gal., \$2.10.

Green and Gray—Per gal., \$2.75; 5 gals. per gal., \$2.65.

Rasmussen

Presto-Lac

DRIES HARD IN 30 MINUTES

A finish for floor, woodwork, furniture and linoleum that is not affected by hot or cold water, tea or coffee, acids, grease, oil or gasoline; that does not scratch or mar easily.

Rasmussen Presto-lac is made especially to be applied with a brush so that you can do the work yourself if you prefer. Twelve harmonious colors. Stocked in gals., quarts, pints and ½ pints. Write for prices.

CALOTINT WALL FINISH

CALOTINT is the last word in perfect Kalsomine or Wall Finish, making possible the most beautiful interior decorative effects with its use.

18 shades—Price per lb., 10c.

DUTCH BOY WHITE LEAD

RAW AND BOILED LINSEED OIL

TURPENTINE

AT MARKET PRICES

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Rasmussen

Inside-Floor Paint

Is a tough, elastic coating, drying with a firm, hard, varnish gloss finish, which dries over night.

It is made expressly for inside use, but may be applied on Porch floors and steps which are protected or covered by roofs or awnings.

Rasmussen Inside Floor Paint is easily applied, covers well, has good hiding power, dries with a varnish gloss, and can be mopped repeatedly without injury to the finish. Price per gal., \$3.25; ½-gal., \$1.75; qt., 95c.

Rasmussen Zincalbo

40-40-20

Is a white paint: 40 % XX Zinc Oxide, 40 % Albalith, 20 % Inerts (Silca and Asbestine.)

This combination produces a brilliant white paint that stays white regardless of where it is used. Sulphide fumes do not effect it.

It chalks gradually, as good paint should, leaving an excellent surface for repainting. It is non-poisonous—easy spreading—long wearing—excellent "hiding"—remarkable covering at low cost.

Price: 1 gal. cans, per gal., \$3.90; 5 gal. cans, per gal., \$3.80.

**WE CARRY A COMPLETE LINE OF BRUSHES FOR
PAINT, VARNISH AND KALSOMINE**

ORDER ON THIS PAGE SEEDS

Also Fertilizers, Sprays, Sprayers, Insecticides, Implements, Dairy and Poultry Supplies

PLEASE NOTE—While we exercise the greatest care to have all Seeds pure and reliable, and all Bulbs, Plants and Nursery Stock true to name, we do not give any warranty, express or implied, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms and conditions, they must be returned at once, and the money that has been paid for the same will be refunded.

POOLE'S SEED & IMPLEMENT CO.

Store and Warehouse

TACOMA, WASHINGTON

1507-9 Pacific Avenue

Your Name -----	Date ----- 19-----
Street Address or No. Rural Delivery -----	Amount Enclosed -----
Post Office -----	P. O. Order \$-----
County ----- State-----	Postage Stamps \$-----
Forward this Order by -----	Draft or Check \$-----
Station or Express Office ----- (Only if different from P. O.)	Our Order No.-----

No matter how often you write us, always be careful to give full name and address. Write name **VERY PLAINLY**. State how to forward—whether by freight, express or mail. We mail and pay postage on all seeds in **PACKETS, OUNCES, and ¼ POUNDS** purchased from this catalog.

[illegible]

Remember—Add postage for Peas, Beans, Corn and Onion Sets if wanted by mail

SPECIAL NOTICE: We shall esteem it a great favor if you will give us below, the NAMES and ADDRESSES of any of your friends that are interested in gardening and farming. We wish to send them our CATALOG. Kindly use spaces below.

NAME	POST OFFICE	STATE

NAME	POST OFFICE	STATE

RASMUSSEN PURE PAINT



FOR EXTERIORS

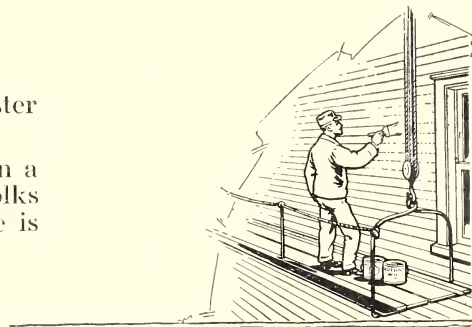
Color! Color! To catch the eye and register pleasure.

That's why we put a bright red roof on a little gray-green house—to please the folks who look at it. But pleasing appearance is not paint's only value.

PAINT TO PROTECT

Homes in constant paint-repair outlast paint-neglected homes ten to one. Rain, sun, snow, etc., have no chance to reach the wood to rot it when a strong elastic coat of Rasmussen Pure Paint is on protection-duty.

Rasmussen Pure Paint is the result of 26 years of experience in paint making for Northwestern use. Its colors are better, it lasts longer, and leaves a better repainting surface than hand-mixed paint.



Colors—Price per gallon, \$3.90; quarts \$1.10.

Whites—Per gallon, \$4.05; ½ gallon, \$2.10; qts., \$1.15; pts., 65c; ½ pts., 40c.



WALL-DURA Washable Wall Paint

Is a sanitary, washable paint, drying with a soft, flat finish, so much desired in modern interior decoration; particularly adapted for use on walls and ceilings in the home. WALL-DURA DOES NOT SHOW LAP STREAKS, WORKS EASILY AND EVENLY AND DRIES HARD, WITH A SOFT, RESTFUL, VELVET FINISH. IT IS NOT EASILY MARRED, DOES NOT PEEL OFF, IS OPAQUE, AND CAN BE WASHED OR CLEANED.

TWELVE SHADES. Price per gal., \$3.10; qts., 90c.

Rasmussen Interior Enamel *for decorative use*

Rasmussen Interior Enamel is made in twelve attractive shades besides white and black. It is easy to apply. It works easily and smoothly, dries hard, does not chip or crack readily, giving a durable gloss finish wherever applied.

Rasmussen Interior Enamel can be washed without harming the finish. The oils, gums and pigments of which it is made are selected and mixed with utmost care.

Use Rasmussen Interior Enamel for interior wood-work, furniture and built-ins.

Price per gallon, \$4.50; ½ gal., \$2.35; qts., \$1.30; pints, 75c; ½ pints, 45c.

Floor and Varnish Stains WILL NOT TURN WHITE IN WATER

COLORS PERMANENT

The colors of Rasmussen Floor and Varnish Stain are permanent. It comes in ten attractive shades.

WEARS WELL

The spilling of hot water will not make white spots. It withstands the moving of heavy furniture without scratching.

SAVES LABOR

It takes such a little time to brush on a thin sparkling coat of real finish and protection. It stains and varnishes in one operation—dries overnight.

Price per gal., \$4.60; quarts, \$1.30; pints, 65c; ½ pints, 40c.

